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WATER SUPPLY OUTLOOK FOR WASHINGTON



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MAR 17 '76

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

DEPARTMENT OF ECOLOGY STATE OF WASHINGTON

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
MAR. 1, 1976

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: SURVEYOR ENROUTE TO THE MT. BALDY ARIZONA SNOW COURSE
SCS PHOTO AZ-5460

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 111, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1220 S.W. Third Ave., Portland, Oregon 97204
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK FOR WASHINGTON

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

R.M. DAVIS
ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D C

|||||

Released by

GALEN S. BRIDGE
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
SPOKANE, WASHINGTON

In Cooperation with

JOHN A. BIGGS
DIRECTOR
DEPARTMENT OF ECOLOGY
STATE OF WASHINGTON

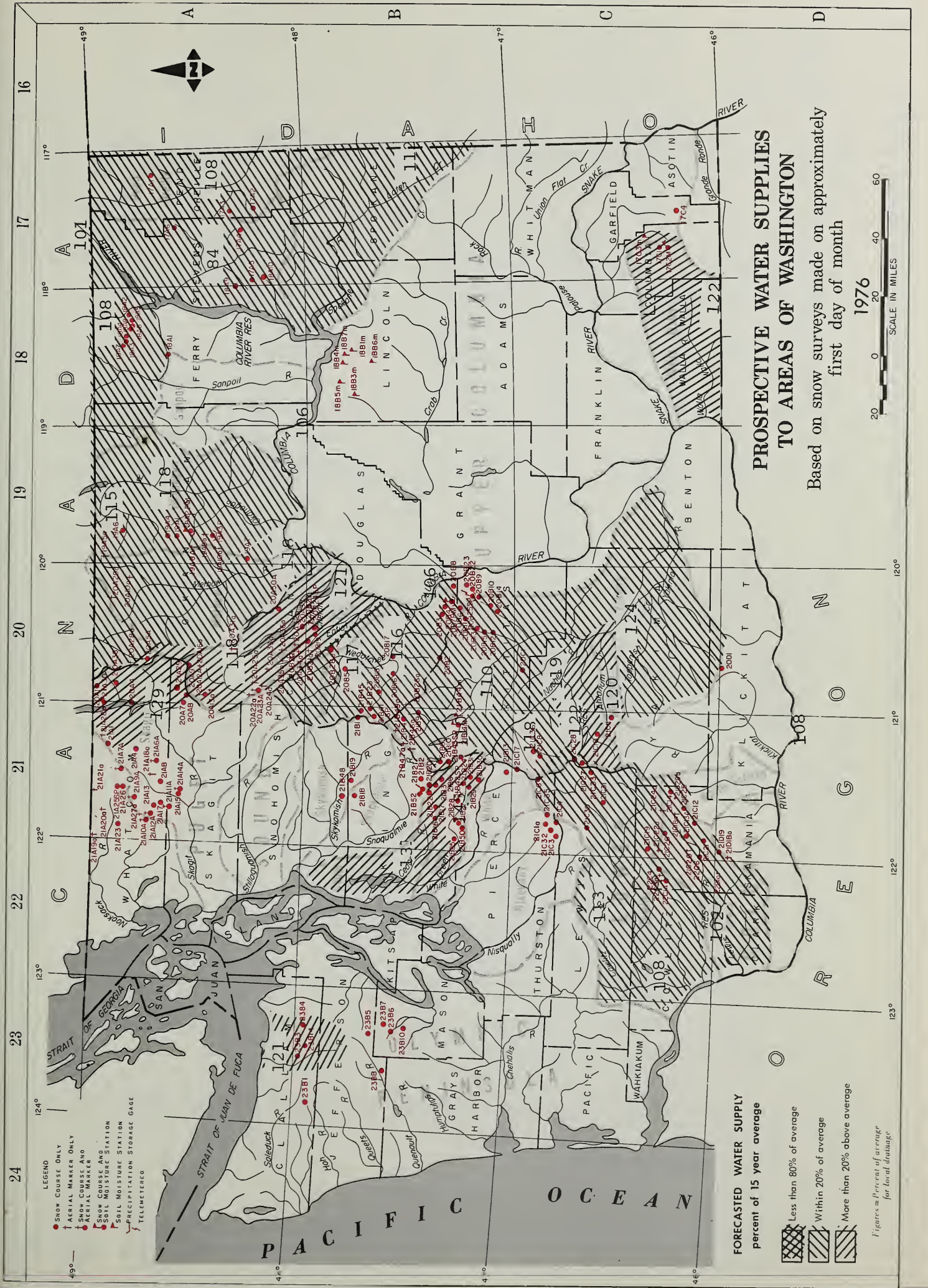
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Report prepared by

ROBERT T. DAVIS, Snow Survey Supervisor

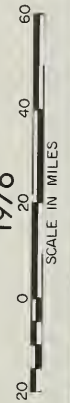
SOIL CONSERVATION SERVICE
360 U.S. COURTHOUSE
SPOKANE, WASHINGTON 99201



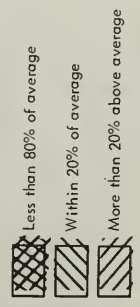


PROSPECTIVE WATER SUPPLIES TO AREAS OF WASHINGTON

Based on snow surveys made on approximately
first day of month
1976



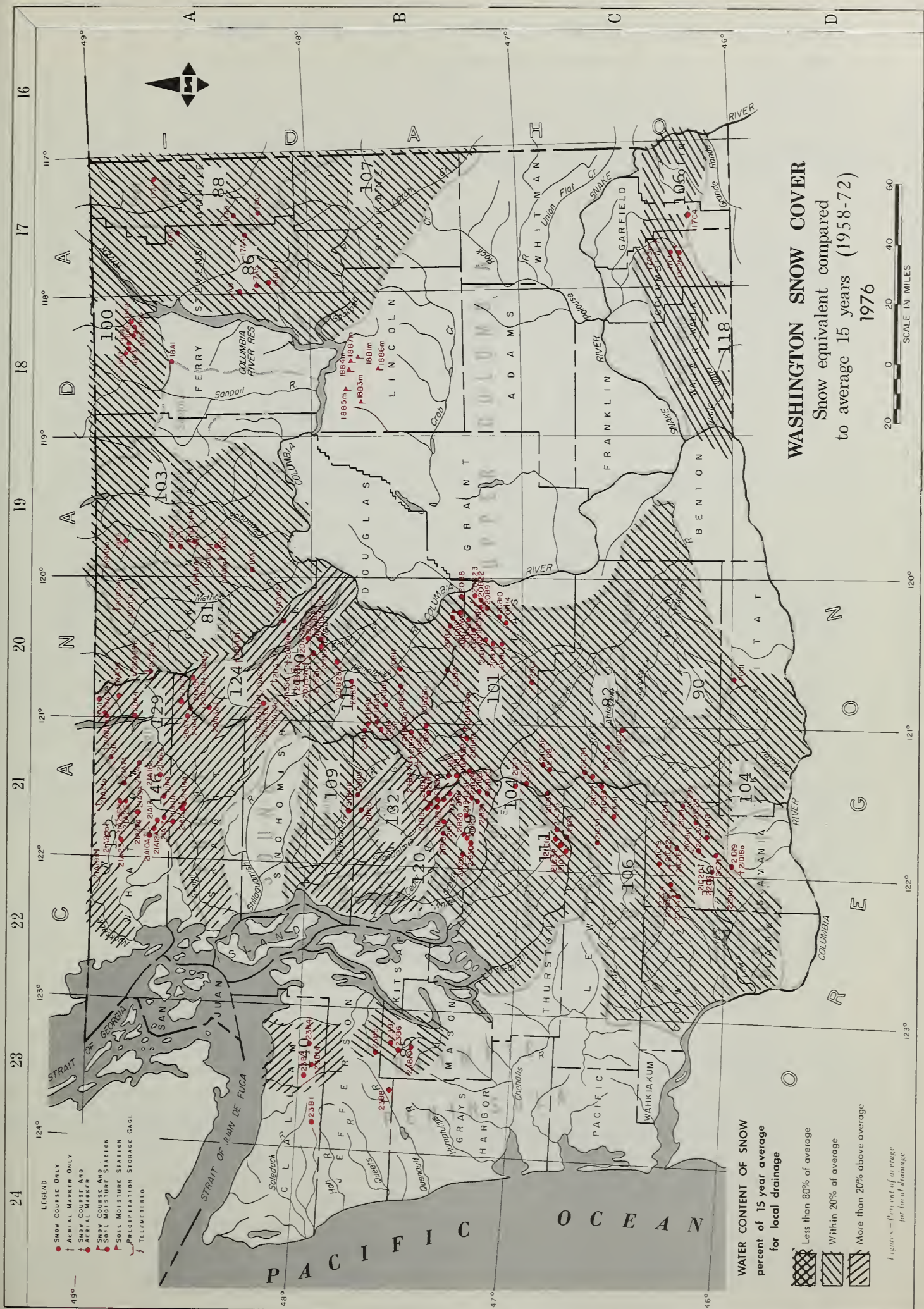
FORECASTED WATER SUPPLY
percent of 15 year average



Figures = Percent of average
for local drainage

INDEX to WASHINGTON SNOW COURSES, SOIL MOISTURE STATIONS and PRECIPITATION STORAGE CAGES

NAME	NUMBER	SEC.	TWP.	RANGE	ELEV.
UPPER COLUMBIA DRAINAGE					
Pend Oreille River					
Boyer Mountain	17A2	7	31N	43E	5250
Bunchgrass Meadow	17A1	24	37N	44E	5000
Winchester Creek	17A3	30	33N	43E	2970
Kettle River					
Boulder Road	18A2	36	39N	36E	1450
Butte Creek	18A3	28	39N	35E	4070
Cabin Creek	18A8	5	38N	36E	3170
Goat Creek	18A4	26	39N	35E	3595
Snow Caps Creek	18A5	3	38N	36E	2150
Snow Caps Trail	18A6	5	38N	36E	2720
Summit G. S.	18A7	20	39N	35E	4600
Calville River					
Said	17A6	19	36N	42E	5215
Carlson	18A9	34	32N	38E	2885
Chewelah	17A4	11	32N	41E	4925
Stranger Mountain	17A5	26	31N	38E	4990
Togo	18A10	6	29N	38E	3370
Sanpoil River					
Sherman Creek Pass	18A1	19	36N	35E	5350
Okanogan River					
Clark	19A8A	2	36N	23E	7000
Muckamuck	19A9A	20	36N	24E	6750
Mutton Creek No. 1	19A1	30	37N	24E	5700
Mutton Creek No. 2	19A4	19	37N	24E	6000
Payssaven	20A28A	32	40N	18E	4300
Rusty Creek	19A3P	18	35N	24E	4000
Salmon Meadows	19A2PM	33	37N	24E	4500
Starvation Mtn.	19A10A	15	35N	23E	6750
Touts Coulee	19A6	30	39N	25E	2845
Methow River					
Billy Goat Pass	20A10A	10	38N	20E	6400
Dollar Hatch	20A29A	8	39N	20E	7000
Harts Pass	20A5A	7	37N	18E	6500
Horseshoe Basin	19A5A	15	40N	23E	7000
Loup Loop	19A7	36	34N	23E	4650
Chelan Lake Basin					
Cloudy Pass	20A22A	12	31N	15E	6500
Greenwood Flat	20A25A	3	31N	16E	3540
Little Meadows	20A24A	8	31N	16E	5275
Lyman Lake	20A23A	18	31N	16E	5900
Park Creek Flat	20A13A	19	34N	16E	2220
Park Creek Ridge	20A12A	18	34N	16E	4600
Petersons	20A16A	3	34N	17E	3730
Rainy Pass	20A9	21	35N	17E	4780
Safety Harbor	20A30A	32	31N	20E	6300
War Creek Pass	20A31A	34	33N	18E	6500
Entiat River					
Blue Creek G.S.	20B28A	19	28N	18E	5425
Grif	20B19	34	28N	19E	1600
Entiat Meadows	20A33A	28	31N	17E	4800
Entiat River Trail	20A34A	2	29N	17E	3150
Four Mile Ridge	20B27A	15	28N	19E	7000
Fox Camp	20A36A	17	30N	18E	6510
Pope Ridge	20B20	22	29N	18E	4300
Pope Ridge Snow Pillow	20B24SP	22	29N	18E	4300
Pugh Ridge	20A32A	34	30N	18E	6400
Shady Pass	20A37	20	29N	19E	6200
Snow Brushy	20A35A	21	30N	17E	3850
Tommy Creek	20B21A	10	28N	18E	5300
Wenatchee River					
8erne-Nill Creek	21B23	7	26N	15E	3170
Berne-Nill Creek (New)	21B41SP	13	26N	14E	3240
Elwett Pass No. 2	20B2	35	22N	17E	4270
Chiwaukum G. S.	20B16	4	25N	17E	1810
Lake Wenatchee	20B5	33	27N	17E	1970
Leavenworth R. S.	20B17	1	24N	17E	1127
Merritt	20B18	4	26N	16E	2140
Stevens Pass	21B1	14	26N	13E	3700
Stevens Sand Shed	21B45	12	26N	19E	4070
Lewis River (continued)					
Divide Meadow	21C29A	21	9N	10E	5600
Grand Meadow	21C25	28	8N	9E	3500
Lone Pine Shelter	21C26	8	9N	7E	3800
Marble Mountain	22C5A	24	8N	5E	3200
New Muddy River	22C6	36	8N	6E	2000
Oldman Pass	21D19	22	6N	7E	3100
Plains of Abraham	22C1A	35	9N	5E	4400
Smith Creek Road	22C4	29	9N	6E	2100
Spencer Meadow	21C20A	16	8N	7E	3400
Surprise Lakes	21C13A	14	7N	8E	4250
Table Mountain	21C24A	20	9N	9E	4200
Timbered Peak	21D18A	36	6N	6E	3000
Cowlitz River					
Cayuse Pass	21C6	15	16N	10E	5300
Mosquito Meadows	21C19	33	10N	7E	4100
Ohnapacosh	21C32	28	15N	10E	2200
Packwood Lake	21C31	21	13N	10E	2870
Pigtail Peak	21C33	11	13N	11E	5900
Potato Hill	21C14	36	10N	10E	4500
Willame Creek	21C30	3	13N	8E	3250
PUGET SOUND DRAINAGE					
Nisqually River					
Ghost Forest	21C4	23	15N	8E	4550
Longmire	21C3	29	15N	8E	2760
Paradise Park (New)	21C35	13	15N	8E	5500
Stem Glade	21C1	13	15N	8E	5050
White River					
Corral Pass	21B13	30	18N	11E	6000
Green River					
Airstrip	21B24	18	20N	11E	1800
Charley Creek	21B25	27	21N	8E	1200
Cougar Mountain	21B42SP	21	21N	9E	3200
Grass Mountain No. 2	21B27	14	20N	8E	2900
Grass Mountain No. 3	21B28	32	20N	8E	2100
Lester Creek	21B29	36	20N	10E	3100
Lynn Lake	21B50	21	20N	8E	4000
Sawmill Ridge	21B31	5	19N	11E	4700
Snowshoe Butte	21B43SP	14	20N	11E	5000
Stampede Pass	21B10	25	21N	11E	3860
Twin Camp	21B30	18	19N	11E	4100
Cedar River					
City Cabin	21B3	10	21N	10E	2300
Mt. Gardner	21B21	30	22N	10E	3300
Mt. Gardner Aux.	21B22	31	22N	10E	2500
Mt. Lindsay	21B16	31	22N	9E	2500
Mt. Washington New	21B52	8	22N	9E	3000
Rex River	21B17	11	21N	9E	2400
South Fork Cedar	21B6	24	21N	10E	3000
Tinkham Creek	21B20	1	21N	10E	3400
Snoqualmie River					
Alpine Meadow	21B48	31	27N	9E	3500
Ollalie Meadows	21B2	19	22N	11E	3625
South Fork Tolt	21B18	26	26N	9E	1900
Skykomish River					
Lake Elizabeth	21B19	33	26N	10E	2900
Dungeness River					
Deer Park	23B4	1	28N	5W	5200
Morse Creek					
Cox Valley	23B14	31	29N	6W	4500
Elwha River					
Hurricane	23B3	36	29N	7W	4500
Skokomish River					
Black and White	23B7	17	24N	5W	4200
Black and White Lakes	23B6	16	24N	5W	4700
Four Stream	23B10	1	23N	6W	3000
Home Sweet Home	23B5	28	25N	5W	5200
Sundown Pass	23B8	25	24N	7W	3900
Soladuck River					
Deer Lake	23B1	14	28N	9W	3900
LEGEND					
NUMBERING SYSTEM EXAMPLE					
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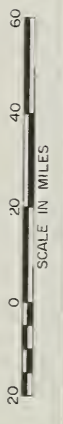
- LEGEND**
- SNOW COURSE ONLY
 - ▲ AERIAL MARKER ONLY
 - ▲ SNOW COURSE AND AERIAL MARKER
 - ▲ SNOW COURSE AND SOIL MOISTURE STATION
 - ▲ SOIL MOISTURE STATION
 - ▲ PRECIPITATION STORAGE GAGE
 - ▲ TELEMETRY

WATER CONTENT OF SNOW
percent of 15 year average
for local drainage

- Less than 80% of average
- Within 20% of average
- More than 20% above average

Figures - Percent of average for local drainage

WASHINGTON SNOW COVER
Snow equivalent compared
to average 15 years (1958-72)
1976



INDEX to WASHINGTON SNOW COURSES, SOIL MOISTURE STATIONS and PRECIPITATION STORAGE GAGES

NAME	NUMBER	SEC.	TWP.	RANGE	ELEV.
UPPER COLUMBIA DRAINAGE					
Pend Oreille River					
Boyer Mountain	17A2	7	31N	43E	5250
Bunchgrass Meadow	17A1	24	37N	44E	5000
Winchester Creek	17A3	50	33N	43E	2970
Kettle River					
Boulder Road	18A2	36	39N	36E	1450
Butte Creek	18A3	28	39N	35E	4070
Cabin Creek	18A8	5	38N	36E	3170
Goat Creek	18A4	26	39N	35E	3595
Snow Caps Creek	18A5	3	38N	36E	2150
Snow Caps Trail	18A6	5	38N	36E	2720
Summit G. S.	18A7	20	39N	35E	4600
Colville River					
Baird	17A6	19	36N	42E	3215
Carlson	18A9	34	32N	38E	2885
Chewelah	17A4	11	32N	41E	4925
Stranger Mountain	17A5	26	31N	38E	4990
Togo	18A10	6	29N	38E	3370
Sampoil River					
Sherman Creek Pass	18A1	19	36N	35E	5350
Okanogan River					
Clark	19A8a	2	36N	23E	7000
Muckamuck	19A9a	20	36N	24E	6750
Nutton Creek No. 1	19A1	30	37N	24E	5700
Nutton Creek No. 2	19A4	19	37N	24E	6000
Paydayten	20A28a	32	40N	18E	4300
Rusty Creek	19A3P	18	35N	24E	4000
Salmon Meadows	19A2PM	33	37N	24E	4500
Starvation Mtn.	19A10a	15	35N	23E	6750
Touts Coulee	19A6	30	39N	25E	2845
Methow River					
Billy Goat Pass	20A10a	10	58N	20E	6400
Dollar Watch	20A29a	8	39N	20E	7000
Harts Pass	20A5A	7	37N	18E	6500
Horseshoe Basin	19A5a	15	40N	23E	7000
Loup Loop	19A7	36	34N	23E	4650
Chelan Lake Basin					
Cloudy Pass	20A22a	12	31N	15E	6500
Greenwood Flat	20A25a	3	31N	16E	3540
Little Meadows	20A24a	8	31N	16E	5275
Lyman Lake	20A23a	18	31N	16E	5900
Park Creek Flat	20A13a	19	34N	16E	2220
Park Creek Ridge	20A12a	18	34N	16E	4600
Petersons	20A16a	3	34N	17E	3730
Rainy Pass	20A9	21	35A	17E	4780
Safety Harbor	20A30a	32	31N	20E	6300
War Creek Pass	20A31a	34	33N	18E	6500
Entiat River					
Blue Creek G.S.	20B28a	19	28N	18E	5425
Brief	20B19	34	28N	19E	1600
Entiat Meadows	20A33a	28	31N	17E	4800
Entiat River Trail	20A34a	2	29N	17E	3150
Four Mile Ridge	20B27a	15	28N	19E	7000
Fox Camp	20A36a	17	30N	18E	6510
Pope Ridge	20B20	22	29N	18E	4300
Pope Ridge Snow Pillow	20B24SP	22	29N	18E	4300
Pugh Ridge	20A32a	34	30N	18E	6400
Shady Pass	20A37	20	29N	19E	6200
Snow Brushy	20A35a	21	30N	17E	3850
Tommy Creek	20B21a	10	28N	18E	5300
Wenatchee River					
Berne-Mill Creek	21B23	7	26N	15E	3170
Berne-Mill Creek (New)	21B41SP	13	26N	14E	3240
Blewett Pass No. 2	20B2	35	22N	17E	4270
Chiwaukum G. S.	20B16	4	25N	17E	1810
Lake Wenatchee	20B5	33	27N	17E	1970
Leavenworth R. S.	20B17	1	24N	17E	1127
Merritt	20B18	4	26N	16E	2140
Stevens Pass	21B1	14	26N	13E	4070
Stevens Pass Sand Shed	21B45	12	26N	19E	3700
Lewis River (continued)					
Divide Meadow	21C29a	21	9N	10E	560C
Grande Meadow	21C25	28	8N	9E	3500
Long Pine Shelter	21C26	8	9N	7E	3800
Marble Mountain	22C5a	24	8N	5E	3200
New Muddy River	22C6	36	8N	6E	200C
Oldman Pass	21019	22	6N	7E	3100
Plains of Abraham	22C1a	35	9N	5E	4400
Smith Creek Road	22C2a	29	9N	6E	2100
Spencer Meadow	21C20a	16	8N	7E	3400
Surprise Lakes	21C13a	14	7N	8E	4250
Table Mountain	21C24a	20	9N	9E	4200
Timbered Peak	21018a	36	6N	6E	3000
Cowlitz River					
Cayuse Pass	21C6	15	16N	10E	5300
Mosquito Meadows	21C19	33	10N	7E	4100
Okanapocosh	21C32	28	15N	10E	2200
Packwood Lake	21C31	21	13N	10E	2870
Pigtail Peak	21C33	11	13N	11E	5900
Portato Hill	21C14	36	10N	10E	4500
Willame Creek	21C30	3	13N	8E	3250
PUGET SOUND DRAINAGE					
Nisqually River					
Ghost Forest	21C4	23	15N	8E	4550
Longmire	21C3	29	15N	8E	2760
Paradise Park (New)	21C35	13	15N	8E	5500
Stem Glade	21C1	13	15N	8E	5050
White River					
Corral Pass	21B13	30	18N	11E	6000
Green River					
Airstrip	21B24	18	20N	11E	1800
Charley Creek	21B25	27	21N	8E	1200
Cougar Mountain	21B42SP	21	21N	9E	3200
Grass Mountain No. 2	21B27	14	20N	8E	2900
Grass Mountain No. 3	21B28	12	20N	8E	2100
Lester Creek	21B29	36	20N	10E	3100
Lynn Lake	21B50	21	20N	8E	4000
Sawmill Ridge	21B31	5	19N	11E	4700
Snowshoe Butte	21B43SP	14	20N	11E	5000
Stampede Pass	21B10	25	21N	11E	3860
Twin Camp	21B30	18	19N	11E	4100
Cedar River					
City Cabin	21B3	10	21N	10E	2390
Mt. Gardner	21B21	30	22N	10E	3300
Mt. Gardner Aux.	21B22	31	22N	10E	2500
Mt. Lindsay	21B16	31	22N	9E	2500
Mt. Washington New	21B52	8	22N	9E	3000
Rex River	21B17	11	21N	9E	2400
South Fork Cedar	21B6	24	21N	10E	3000
Tinkham Creek	21B20	1	21N	10E	3400
Snoqualmie River					
Alpine Meadow	21B48	31	27N	9E	3500
Olallie Meadows	21B2	19	22N	11E	3625
South Fork Toit	21B18	26	26N	9E	1900
Skykomish River					
Lake Elizabeth	21B19	33	26N	10E	2900
Skagit River					
Beaver Creek Trail	21A4	35	39N	12E	2200
Beaver Pass	21A1	9	39N	12E	3680
Brown Top	21A28a	26	40N	12E	6000
Devils Park	20A4	34	38N	16E	5900
Freezeout Creek T. 11	20A1	14	40N	14E	3500
Freezeout Meadow New	20A38	8	40N	16E	5000
Granite Creek	21A29	25	36N	16E	3500
Meadows Cabius	20A8	29	36N	14E	1900
New Hozomeen Lake	20A7	19	40N	14E	2800
Thunder Basin	21A36	10	35N	14E	4200
Baker River					
Baker Pass	21A27a	1	37N	7E	4900
Dock Butte	21A11a	8	36N	8E	3800
Easy Pass	21A7A	19	39N	11E	5200
Jasper Pass	21A6a	17	38N	11E	5400
Komo Kulshan	21A17	31	37N	8E	800
Marten Lake	21A9a	23	38N	8E	3600
Mount Blum	21A18a	27	38N	10E	5800
Rocky Creek	21A12a	20	37N	8E	2100
Schreibers Meadow	21A10a	18	37N	8E	3400
S. F. Thunder Creek	21A14a	20	36N	9E	2200
Sulphur Creek	21A13	22	37N	8E	1600
Three Mile Creek	21A15	18	36N	9E	1600
Watson Lakes	21A8	25	37N	9E	4500
Nooksack River					
Bald Mountain	21A19a	7	40N	7E	4400
Canyon	21A20a	20	40N	8E	5100
Glacier Creek	21A23	9-10	38N	7E	3700
Panorama New	21A26	17	39N	9E	4300
Panorama Snow Pillow	21A25P	17	39N	9E	4300
Twin Lakes	21A21a	16	40N	9E	5200
OLYMPIC PENINSULA					
Dungeness River					
Deer Park	23B4	1	28N	5W	5200
Morris Creek					
Cox Valley	23B14	31	29N	6W	4500
Elwha River					
Hurricane	23B3	36	29N	7W	4500
Skokomish River					
Black and White	23B7	17	24N	5W	4200
Black and White Lakes	23B6	16	24N	5W	4700
Four Stream	23B10	1	23N	6W	3000
Home Sweet Home	23B5	28	25N	5W	5200
Sundown Pass	23B8	25	24N	7W	3900
Soladuck River					
Deer Lake	23B1	14	28N	9W	3900

LEGEND
NUMBERING SYSTEM EXAMPLE
SNOW COURSE ONLY
21A7
21A7a
21A7b
21A7c
21A7d
21A7e
21A7f
21A7g
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WATER SUPPLY OUTLOOK

State of Washington

March 1, 1976

* * * * *

* As the snow season progresses, it appears more and more likely that
adequate water supplies will be available from all rivers flowing through
the state of Washington. We have a wide range of snow cover, but the
resultant forecasts are all for near normal flows. Our snow cover ranges
from 19 percent below normal to 52 percent above and the resulting fore-
casts also range from 16 percent below normal on the Colville River to
45 percent above normal on the Green River below Howard Hanson Dam.
The last two weeks in January and the first two weeks in February were
very dry and it appeared, when this report was prepared last month, that
the water supply could very well deteriorate and serious water shortages
occur. Since the middle of February, well above normal precipitation has
occurred and this, together with the snow base that we had as of
February 1, has given us this excellent snow pack. Another peculiarity
about this snow is the very light densities being measured by the field
crews. In contrast to the heavy densities of February 1, the snow pack
is now similar to that which you might measure on January 1. In other
words, densities in February were in the high thirties and low forties,
while densities on March 1 were in the high twenties and low thirties.
Of Course, subsequent precipitation and weather patterns could still
change our water supply outlook, but with normal conditions, we can
expect good water supplies during the runoff period of 1976.

* * * * *

SNOW COVER

The precipitation of late February has put down above normal amounts of snow during the last two weeks of February and the first of March. The current standing of snow cover ranges from 19 percent below normal on the Methow River to 24 percent above on the Chelan River; this in the Upper Columbia Basin. Along the Lower Columbia, the range is from 10 percent below normal for the Klickitat River to 18 percent above on Mill Creek, a tributary of the Walla Walla River. In the Puget Sound, the snow cover ranges from 11 percent below normal on the Green River to 52 percent above on the Nooksack River. The excellent snows measured last month in the Skagit and Baker Watersheds are even more improved. Only two basins in the Olympic Peninsula are sampled, with the Elwha, measured by only one snow course, indicating a snow pack that is 40 percent above normal. The Skokomish, measured by four snow courses, has a snow cover that is 15 percent below average.

RESERVOIRS

Although the irrigation and power reservoirs in the state are not full, they generally have more water in storage than has been measured for many years. Reservoir management indicates that they are currently making plans, or have already started, to release water from these reservoirs in order to hold the spring runoff. This is done in hopes that uncontrolled spillage will not occur during the runoff season. This task is taken very carefully, as the managers wish to maintain a full reservoir during the spill period and end up with a full reservoir at the end of the snow melt season.

PRECIPITATION

February rainfall, as measured by the National Weather Service, was above normal except in the northcentral portion of the state. Percentages for the Columbia River in Canada are 4 percent above average; the Pend Oreille-Spokane, 15 percent above; northcentral Washington, 10 percent greater than average; southeastern Washington, 29 percent greater; central Washington, 43 percent above; northwestern slopes of the Cascades, 19 percent greater and southwestern slopes of the Cascades, 20 percent greater. When the February rainfall is integrated in the November through February period, the precipitation in the Columbia Basin in Canada is 6 percent above normal; the Pend Oreille-Spokane, 3 percent below normal; the northeastern portion of the state, 15 percent below average; the southeastern portion, 13 percent below; central Washington has an average that is 28 percent greater than average; the northcentral portion 4 percent below. On the west side, northwestern slopes are 30 percent greater than average and the southwestern slopes 16 percent greater. In the Yakima Basin, the five precipitation stations at the reservoirs, indicate the rainfall to be 27 percent greater than average.

STREAMFLOW

During the month of February, there was a wide range of flows measured and reported by the United States Geological Survey. Lowest streamflows for the month were 28 percent below average for the Spokane River and the Green River below Howard Hanson Dam (these both adjusted for storage). The river that had the greatest outflow during the month was the Okanogan River, measured at Tonasket, 56 percent above average. This is not adjusted and the lowering of Okanogan Lake accounts for this well above normal streamflow. Flow of the Columbia River from Canada, as measured at International Boundary, was 1 percent below average and 6 percent below at The Dalles. Forecasts of streamflow, as previously stated, are for near normal flows. The Columbia River at Birchbank is expected to flow 1 percent above normal during the April-September period and at The Dalles, 8 percent above. The Okanogan River system is expected to have an outflow 15 and 18 percent above normal for the Similkameen at Nighthawk and Okanogan near Tonasket, respectively. The Methow at Pateros should have an April-September flow of 18 percent above normal. The Chelan, with its excellent snow pack, is expected to flow 21 percent greater than average. The Yakima River system is expected to have flows ranging from 10 percent above to 24 percent above for the combined flow of the Yakima near Parker. A marked improvement in forecasts occurred in the Lower Columbia River system, with the Lewis River at Ariel now expected to have an outflow 2 percent above average and the Cowlitz at Castle Rock, 8 percent above. The Dungeness near Sequim, based on one snow course, is now expected to have an outflow 21 percent above normal. The Green River system has the highest forecast, percentagewise. The March-September flow of the Green River is now expected to be 45 percent above average, or 560,000 acre feet. Numerical forecasts can be found on the following pages for these and other gaging stations in the state.

STREAMFLOW FORECASTS - MARCH 1976

The following summarized runoff forecasts are based principally on mountain snow-cover and on the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts. Streamflow figures for 1975 are preliminary and subject to revision.

Basin, Stream and Station	Forecast Runoff 1976	Seasonal Streamflow in Thousands of Acre-Feet					
		% 15-Yr. Avg.	Fore- cast period	1975	1974	1973	15-Yr Average 58-72
<u>COLUMBIA BASIN</u>							
<u>COLUMBIA RIVER SYSTEM</u>							
Columbia River	46800	101	Apr-Sept	41188	54227	34796	46410
at Birchbank <u>1/</u>	38500	102	Apr-July	33033	44492	27876	37548
	28100	102	Apr-June	22534	31894	20203	27549
Columbia River	73000	106	Apr-Sept	66512	85139	45849	69020
at Grand Coulee <u>1/</u>	62400	107	Apr-July	55890	73671	38193	58368
	48400	105	Apr-June	41354	57033	29886	46049
Columbia River	80000	106	Apr-Sept	74143	96939	49117	75290
bl Rock Island Dam <u>1/</u>	67000	104	Apr-July	73212	84480	41200	64181
	53000	105	Apr-June	47192	65246	32032	50594
Columbia River	113000	108	Apr-Sept	109012	139724	65162	104600
at The Dalles, Or <u>1/</u>	96000	107	Apr-July	94328	123570	54260	89875
	76000	104	Apr-June	73078	99282	43395	73143
<u>PEND OREILLE RIVER SYSTEM</u>							
Pend Oreille River							
bl. Box Canyon	17200	108	Apr-Sept	17559	21551	8311	15950
	15800	108	Apr-July	15872	20103	7614	14677
	13500	106	Apr-June	12587	16732	6756	12767
<u>KETTLE RIVER SYSTEM</u>							
Kettle River	2020	108	Apr-Sept	1921	2831	1121	1873
nr. Laurier	1940	108	Apr-July	1837	2752	1093	1794
	1740	106	Apr-June	1641	2476	1020	1640

1/ Observed flow corrected for storage in any of the following reservoirs which are above the station: Kootenay Lake, Hungry Horse, Flathead Lake, Pend Oreille Lake, F. D. Roosevelt Lake, Lake Chelan, Coeur d'Alene Lake, Brownlee, Noxon Reservoir and pumpage at F. D. Roosevelt Lake.

Basin, Stream and Station	Forecast Runoff 1976	Seasonal Streamflow in Thousands of Acre-Feet					
		% 15-Yr. Avg.	Fore- cast period	1975	1974	1973	15-Yr Average 58-72
<u>KETTLE RIVER SYSTEM (Cont.)</u>							
Colville River	125	84	Apr-Sept		286	54	148
at Kettle Falls	115	84	Apr-July		269	50	137
	110	86	Apr-June		252	48	128
<u>SPOKANE RIVER SYSTEM*</u>							
Spokane River	3350	112	Apr-Sept	3088	4801	1140	2982
at Post Falls, ID <u>2/</u>	3200	110	Apr-July	2944	4682	1082	2899
	3000	108	Apr-June	2736	4409	1022	2773
<u>OKANOGAN RIVER SYSTEM</u>							
Similkameen River	1740	115	Apr-Sept	1409	2216	736	1516
nr. Nighthawk	1620	114	Apr-July	1315	2092	697	1424
	1430	117	Apr-June	1073	1710	621	1222
Okanogan River	2040	118	Apr-Sept	1584	2757	765	1723
nr. Tonasket	1860	117	Apr-July	1439	2534	707	1582
	1610	119	Apr-June	1178	2029	622	1349
<u>METHOW RIVER SYSTEM</u>							
Methow River							
nr. Pateros	1220	118	Apr-Sept		1665	512	1031
	1110	116	Apr-July		1555	476	963
	990	119	Apr-June		1268	417	832
<u>CHELAN RIVER SYSTEM</u>							
Chelan River	1510	121	Apr-Sept	1368	1749	777	1253
at Chelan <u>3/</u>	1350	121	Apr-July	1216	1508	680	1112
	1090	124	Apr-June	856	1115	544	881
Stehekin River	1060	118	Apr-Sept		1223	541	904
at Stehekin	920	119	Apr-July		996	447	776
	730	122	Apr-June		717	352	600
Entiat	290	121	Apr-Sept		387	145	239
nr. Ardenvoir	268	122	Apr-July		347	131	220
	217	121	Apr-June		256	113	180

- * Forecasts made by Jack A. Wilson, Soil Conservation Service, Boise, Idaho.
- 2/ Observed flow corrected for storage in Coeur d'Alene Lake and diversions by Spokane Valley Farms Company and Rathdrum Prairie Canals.
- 3/ Observed flow corrected for storage in Lake Chelan.

Basin, Stream and Station	Forecast Runoff 1976	Seasonal % 15-Yr. Avg.	Streamflow in Thousands of Acre-Feet Fore- cast period	15-Yr Average			
				1975	1974	1973	58-72 ³
<u>WENATCHEE RIVER SYSTEM</u>							
Wenatchee River	1540	117	Apr-Sept		1910	790	1312
at Plain	1420	120	Apr-July		1652	709	1187
	1150	120	Apr-June		1188	589	956
Wenatchee River	2080	116	Apr-Sept	2000	2556	1033	1786
at Peshastin	1950	120	Apr-July	1811	2232	938	1629
	1620	122	Apr-June	1332	1632	786	1324
Stemilt Basin nr Wenatchee	130	94	May-Sept				138*
<u>YAKIMA RIVER SYSTEM</u>							
Yakima River	156	110	Apr-Sept	169	231	83	142
nr. Martin <u>4/</u>	142	108	Apr-July	155	214	76	131
	124	107	Apr-June	128	170	70	116
Yakima River	1060	110	Apr-Sept		1463	555	968
at Cle Elum <u>5/</u>	970	111	Apr-July		1335	489	877
	860	113	Apr-June		1067	433	764
Yakima River	2150	124	Apr-Sept		3216	582	1730
nr. Parker <u>6/</u>	2120	125	Apr-July		3092	590	1701
	1950	123	Apr-June		2601	598	1580
Kachess River	138	110	Apr-Sept	141	207	66	125
nr. Easton <u>7/</u>	127	108	Apr-July	135	193	63	118
	114	107	Apr-June	112	156	59	106
Cle Elum River	532	112	Apr-Sept	545	745	285	477
nr. Roslyn <u>8/</u>	490	112	Apr-July	497	664	255	437
	417	112	Apr-June	392	500	220	372
Bumping River	172	118	Apr-Sept	179	230	74	146
nr. Nile <u>9/</u>	158	118	Apr-July	163	206	68	134
	135	120	Apr-June	119	152	61	112

* Thousands of Miners' inches.

4/ Observed flow corrected for storage in Lake Keechelus.

5/ Observed flow corrected for storage in Keechelus, Kachess and Cle Elum Lakes and diversion by Kittitas Canal.

6/ Observed flow corrected for storage in Keechelus, Kachess, Cle Elum, Bumping and Rimrock Lakes and diversions by Roza, Union Gap, New Reservation, Old Reservation and Sunnyside Canals.

7/ Observed flow corrected for storage in Lake Kachess.

8/ Observed flow corrected for storage in Lake Cle Elum.

9/ Observed flow corrected for storage in Bumping Lake.

Basin, Stream and Station	Forecast Runoff 1976	Seasonal Streamflow in Thousands of Acre-Feet					
		% 15-Yr. Avg.	Fore- cast period	1975	1974	1973	15-Yr Average 58-72
<u>YAKIMA RIVER SYSTEM (Cont.)</u>							
American River	150	117	Apr-Sept		203	70	128
nr. Nile	140	118	Apr-July		181	65	118
	120	120	Apr-June		137	58	100
Tieton River	300	122	Apr-Sept	297	405	160	247
at Tieton Dam <u>10/</u>	250	118	Apr-July	252	337	124	211
	200	116	Apr-June	187	255	99	172
Naches River	1060	119	Apr-Sept		1428	442	889
nr. Naches <u>11/</u>	990	122	Apr-July		1286	385	810
	860	123	Apr-June		1038	336	698
Ahtanum Creek	58	120	Apr-Sept		83	21	48
nr. Tampico <u>12/</u>	53	120	Apr-July		76	18	44
	48	123	Apr-June		64	16	39
<u>LOWER COLUMBIA RIVER SYSTEM</u>							
Mill Creek							
nr. Walla Walla	33	122	Apr-Sept		57	17	27
	29	121	Apr-July		51	13	24
	26	124	Apr-June		47	11	21
Lewis River	1360	102	Apr-Sept	1196	1951	800	1341
at Ariel <u>13/</u>	1200	104	Apr-July	1028	1760	666	1151
	1070	104	Apr-June	891	1489	574	1028
Cowlitz River	2380	113	Apr-Sept		3323	1252	2101
Blw. Mayfield Dam	2070	112	Apr-July		2975	1068	1846
	1760	111	Apr-June		2416	904	1578
Cowlitz River	2990	108	Apr-Sept	2652	4128	1676	2773
at Castle Rock <u>14/</u>	2580	107	Apr-July	2279	3694	1419	2416
	2250	108	Apr-June	1817	3029	1212	2083

10/ Observed flow corrected for storage in Rimrock Lake.

11/ Observed flow corrected for storage in Bumping and Rimrock Lakes and diversions by Tieton, Selah Valley, Wapatox Canals and City of Yakima.

12/ Observed flow of North and South Forks (Combined).

13/ Observed flow corrected for storage in Lake Merwin, Yale and Swift Reservoirs.

14/ Observed flow corrected for storage in Mayfield Reservoir.

Basin, Stream and Station	Forecast Runoff 1976	Seasonal Streamflow in Thousands of Acre-Feet					
		% 15-Yr. Avg.	Fore- cast period	1975	1974	1973	15-Yr Average 58-72

OLYMPIC PENINSULA

DUNGENESS RIVER SYSTEM

Dungeness River							
nr. Sequim	200	121	Apr-Sept		205	120	165
	165	120	Apr-July		162	98	137
	125	120	Apr-June		111	74	104

PUGET SOUND

SKAGIT RIVER SYSTEM

Skagit River	3120	129	Mar-Aug	2770	3169	1610	2418
at Newhalem <u>15/</u>							

GREEN RIVER SYSTEM

Green River							
blw. Howard Hanson Dam <u>16/</u>	560	145	Mar-Sept		573	210	386

CEDAR RIVER SYSTEM

Cedar River	120	131	Apr-Sept		145	53	91
nr. Cedar Falls							

15/ Observed flow corrected for storage in Diablo, Ross and Gorge Reservoirs.

16/ Observed flow corrected for storage in Howard Hanson Dam

COMPARISON OF SNOW COVER WITH THAT OF PREVIOUS YEARS

The following tabulation of Washington stream basins presents the water content of the snow about March 1, 1976 as percent of the same date in 1975 and 1974 and average of record.

Tributary Basin	No. of Courses Average	Snow Water Expressed as percent of		
		1975	1974	1958-72 Avg.
<u>UPPER COLUMBIA BASIN</u>				
Pend Oreille	14	80	71	88
Kettle	17	82	84	100
Colville	5	58	93	86
Spokane	9	93	70	107
Okanogan	40	82	72	103
Methow	9	74	51	81
Chelan	7	98	90	124
Entiat	10	103	95	110
Wenatchee	9	84	78	110
Yakima	25	77	65	101
Ahtanum	2	64	67	82
<u>LOWER COLUMBIA</u>				
Asotin Creek	1	94	73	106
Mill Creek	3	92	56	118
Klickitat	1	56	57	90
White Salmon	2	100	74	104
Lewis	18	136	93	116
Cowlitz	10	95	75	106
<u>PUGET SOUND</u>				
Nisqually	4	82	72	111
White	2	79	77	104
Green	8	51	94	89
Cedar	6	66	54	120
Snoqualmie	4	96	90	132
Skykomish	3	94	67	109
Skagit	13	101	86	129
Baker	10	122	87	146
Nooksack	4	107	86	152
<u>OLYMPIC PENINSULA</u>				
Skokomish	4	82	54	85
Morse Creek	1	127	82	-
Elwha	1	151	92	140

RESERVOIR STORAGE - 1000 Acre Feet

BASIN OR STREAM	RESERVOIR	USABLE <u>1/</u> CAPACITY	1976	Measured (March)		
				1975	1974	Normal*
<u>COLUMBIA</u>						
Spokane	Coeur d'Alene Lake	225.1	130.0	58.9	127.9	162.4
Columbia	Franklin D. Roosevelt Lake	5232.0	3370.7	4304.9	-1175.4	2843.8
Columbia	Banks Lake	761.8	714.9	706.9	720.3	588.3
Okanogan	Conconully Reservoir	13.0	10.7	11.2	6.4	11.6
Okanogan	Salmon Lake	10.5	9.8	9.2	7.3	7.4
Chelan	Lake Chelan	676.1	463.0	155.1	228.5	234.9
<u>YAKIMA</u>						
Yakima	Keechelus Lake	157.8	124.1	95.4	99.4	105.5
Kachess	Kachess Lake	239.0	204.0	153.6	107.9	183.6
Cle Elum	Lake Cle Elum	436.9	327.0	267.4	195.7	264.5
Bumping	Bumping Lake	33.7	8.5	2.8	4.7	10.2
Tieton	Rimrock Lake	198.0	148.0	121.6	132.1	128.2
<u>PUGET SOUND</u>						
Skagit	Ross Reservoir	1404.1	1128.6	782.4	1030.4	873.9
Skagit	Diablo Reservoir	90.6	87.5	86.9	86.4	85.0
Skagit	Gorge Reservoir	9.8	8.2	8.8	8.2	--

1/ Based on Active Storage

* 15-year Average 1958-72

SOIL MOISTURE - MARCH

Drainage Basin and Station	Number	Elev.	Profile Depth	Inches Total Capacity	Soil Moisture Content <u>Inches as of March 1</u> 1976 1975 1974		
<u>OKANOGAN</u>							
Salmon Meadows	19A2M	4500	48	5.4	3.6	2.0	3.7
Trout Creek	3-M	3600	48	7.3	-	3.2	3.8
<u>YAKIMA</u>							
Domery Flat	21B20m	2200	48	6.9	-	-	4.9
Lake Cle Elum	21B14M	2200	48	12.8	-	-	9.3
<u>WALLA WALLA</u>							
Couse	17C3m	3650	48	11.1	Late	9.3	10.3
Helmers	17C2M	4400	48	12.0	Late	10.8	10.1
<u>WENATCHEE</u>							
Upper Wheeler	20B7M	4400	48	12.7	11.4	8.6	11.1

FALL SOIL MOISTURE

Drainage Basin and Station	Number	Elev.	Profile Depth	Inches Total Capacity	Soil Moisture Content Inches as of Oct. 1		
					1975	1974	1973
<u>OKANOGAN</u>							
Salmon Meadows	19A02M	4500	48	5.4	3.2	1.8	2.6
Trout Creek	3-M	3600	48	7.3	3.1	3.0	2.8
<u>YAKIMA</u>							
Domery Flat	21B20m	2200	48	6.9	-	-	2.6
Lake Cle Elum	21B14M	2200	48	12.8	-	-	6.1
<u>WALLA WALLA</u>							
Couse	17C3m	3650	48	11.1	7.3	-	5.6
Helmers	17C2M	4400	48	12.0	6.5	-	7.6
<u>WENATCHEE</u>							
Upper Wheeler	20B7M	4400	48	12.7	8.6	5.4	6.0

PRECIPITATION 1/

Division Average Observations and Departures

Drainage Divisions	FALL		WINTER	
	Sept-Oct Observed	1975 <u>2/</u> Departure	Nov. 1975 - Observed	Feb. 1976 <u>2/</u> Departure
Columbia in Canada	3.51	+ 0.96	11.85	+ 0.64
Pend Oreille - Spokane	4.27	- 0.21	15.52	- 0.49
Northeastern Washington	2.29	- 0.49	8.13	- 1.43
Southeastern Washington	2.94	- 0.29	9.78	- 1.44
Central Washington	5.47	+ 0.72	30.93	+ 6.73
North Central Washington	1.22	- 0.40	5.68	- 0.23
Northwest Slope Cascades	15.42	+ 2.73	57.85	+13.44
Southwest Slope Cascades	8.34	- 0.34	41.01	+ 5.53

Northeastern Washington	- Lower Spokane, Colville, Sanpoil and Lower Kettle Drainages.
Southeastern Washington	- Touchet, Tucannon and Palouse Drainages.
Central Washington	- Yakima, Wenatchee and Chelan Drainages.
Northwest Slope Cascades	- Puget Sound Drainages.
Southwest Slope Cascades	- Lower Columbia Drainages.

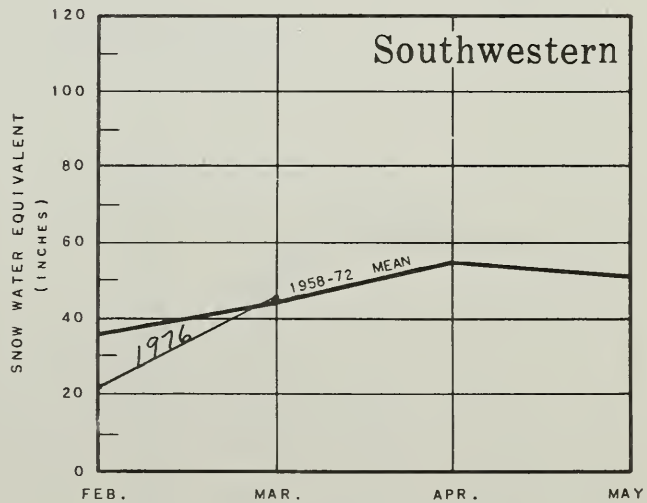
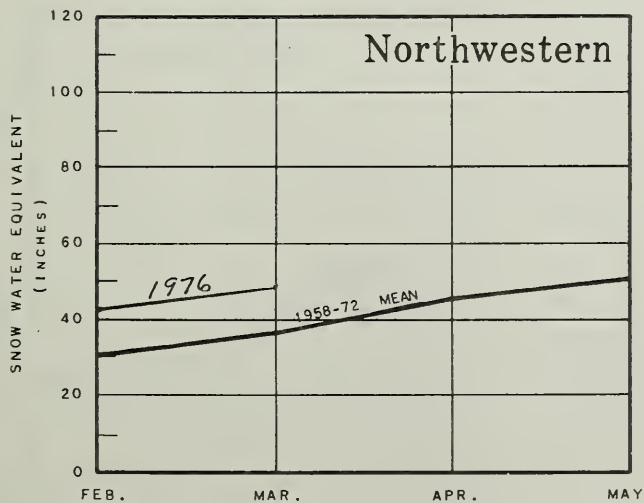
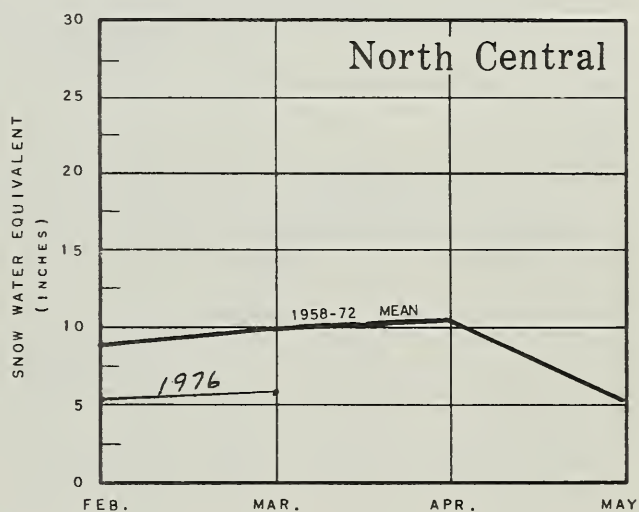
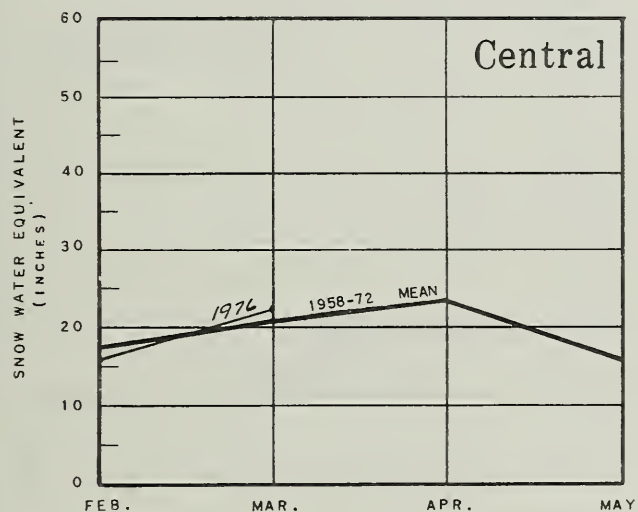
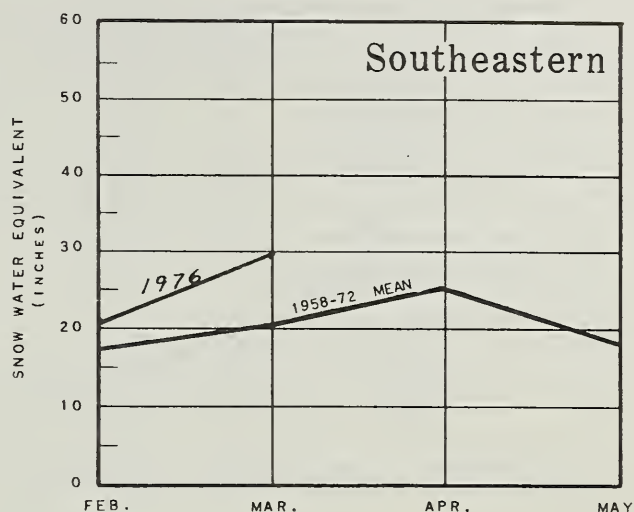
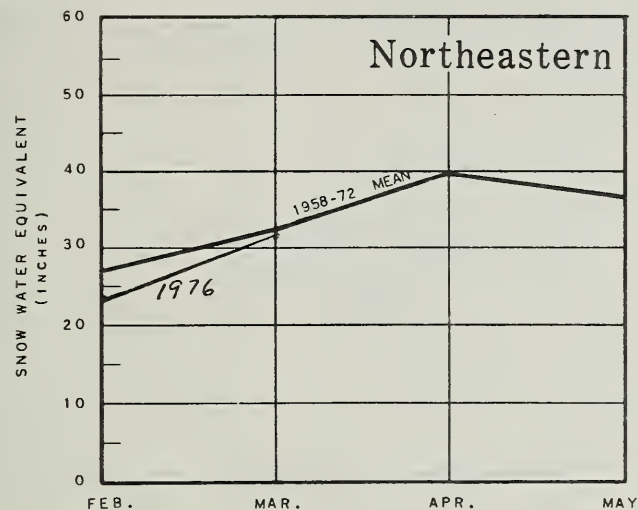
1/ - Preliminary analysis by National Weather Service from data furnished by Meteorological Services of Canada and the National Weather Service.

2/ - Departure from 15-year (1958-72) drainage division average.

WASHINGTON SNOW COVER

1976

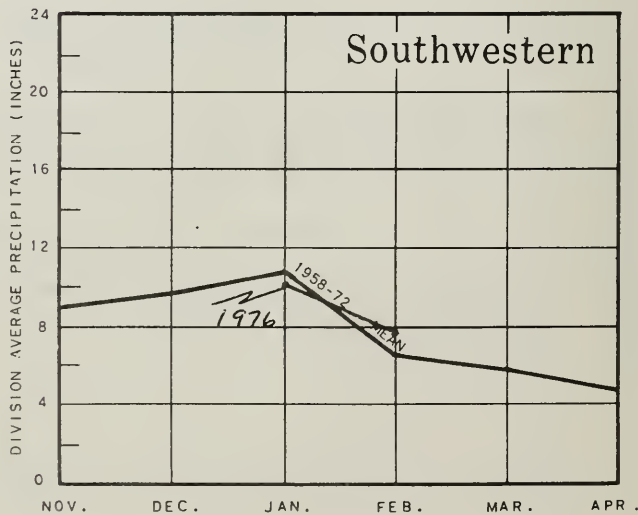
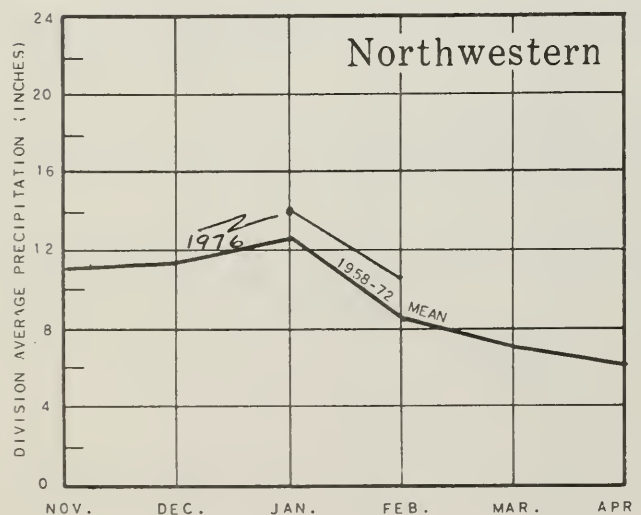
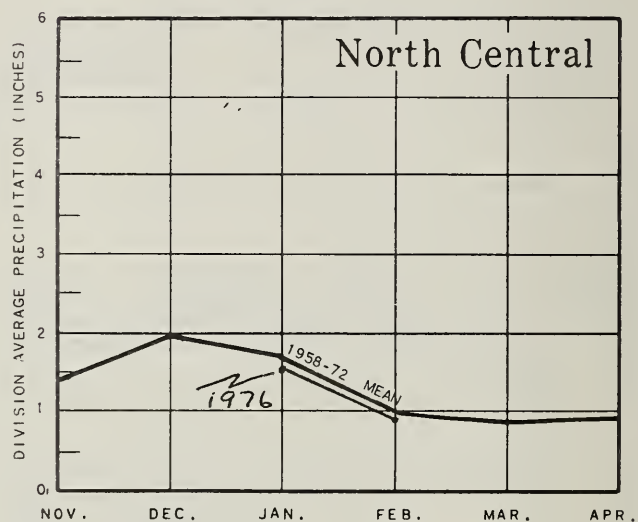
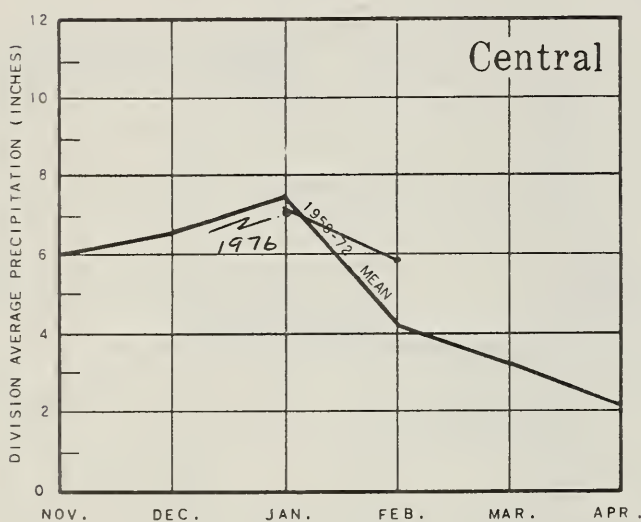
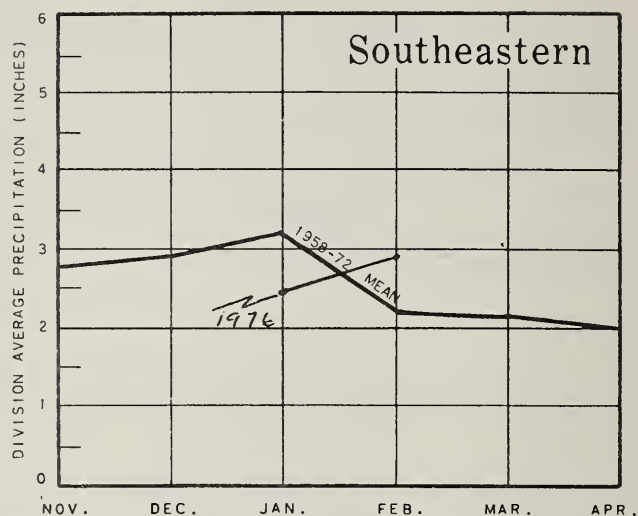
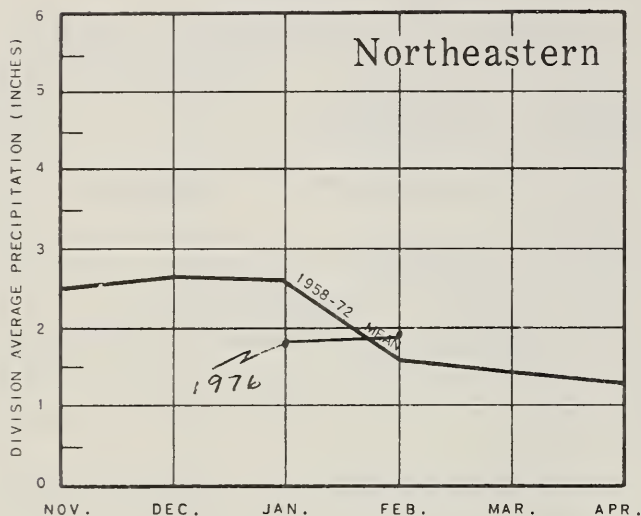
DRAINAGE AREAS



WASHINGTON VALLEY PRECIPITATION

1976

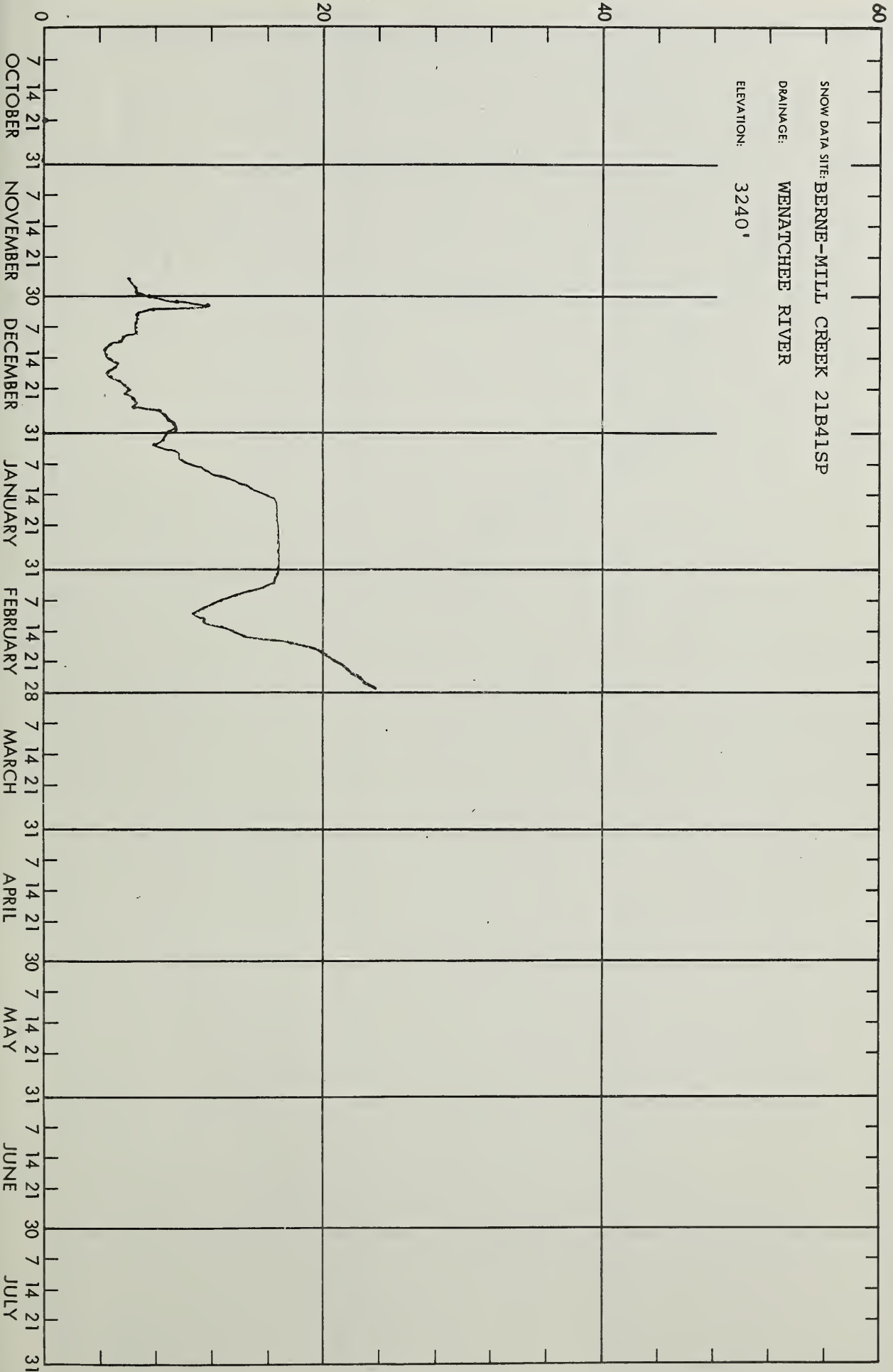
DRAINAGE AREAS



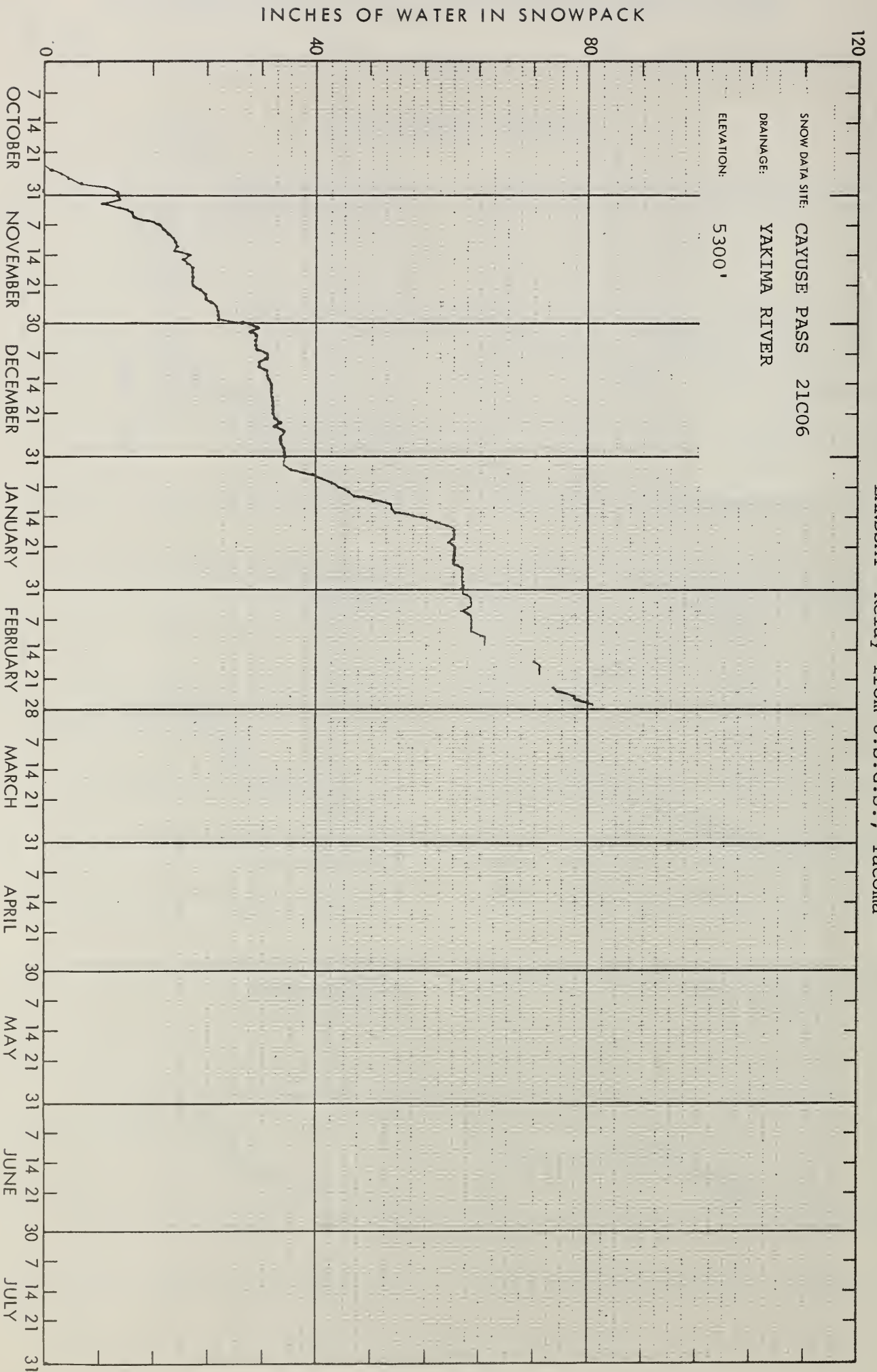
Preliminary Analysis by National Weather Service

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INCHES OF WATER IN SNOWPACK

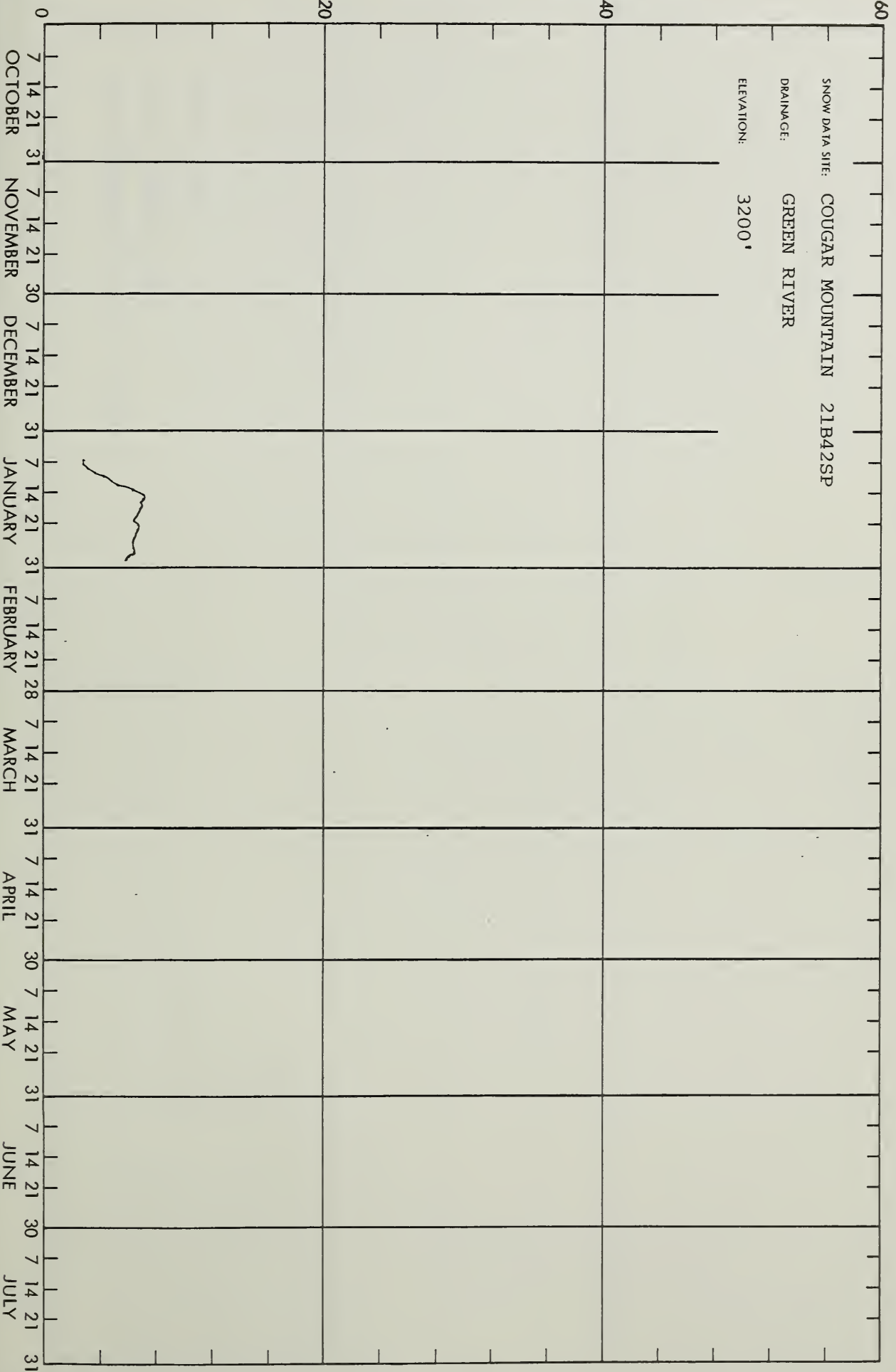


"LANDSAT" Relay from U.S.G.S., Tacoma



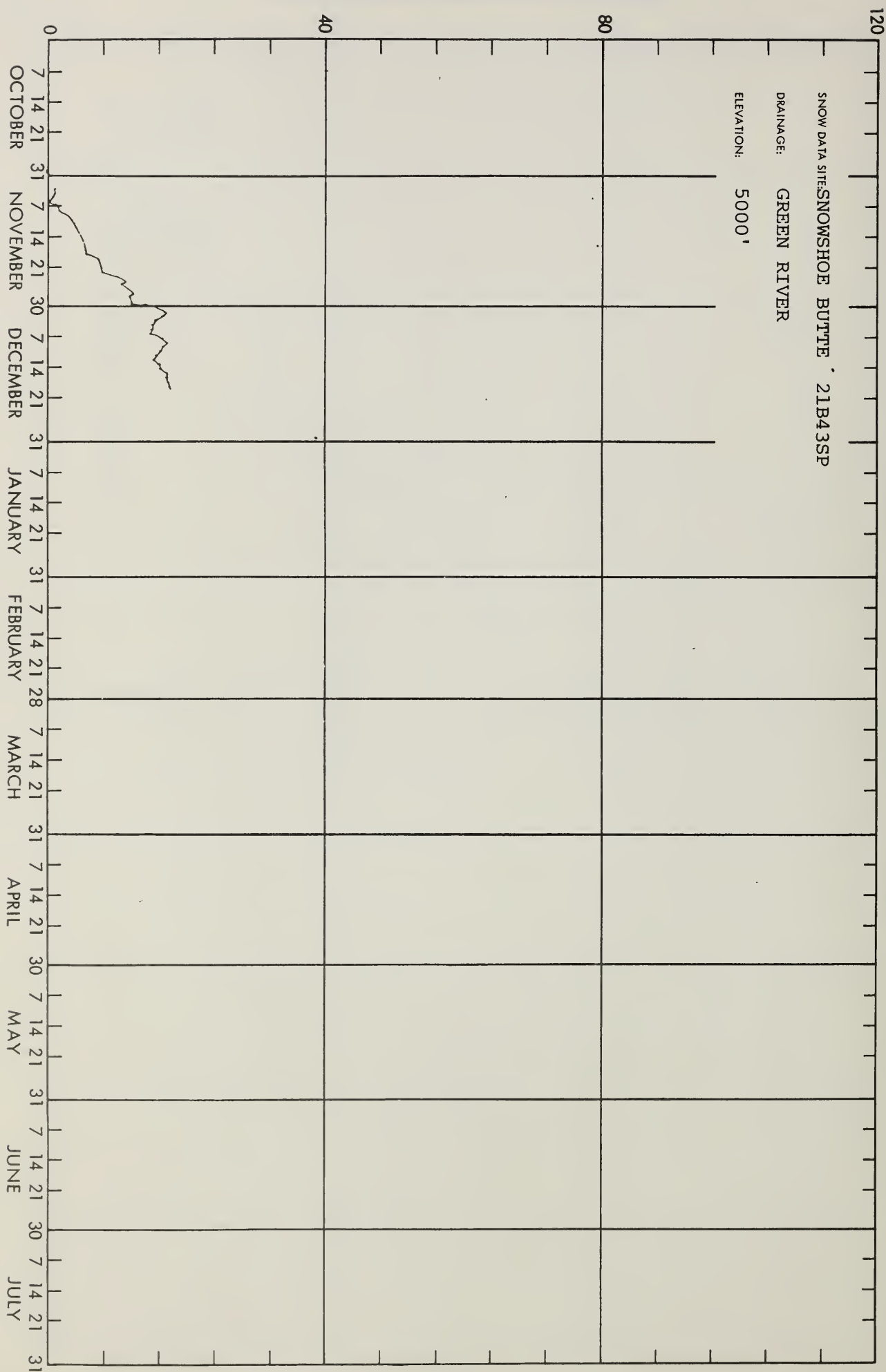
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INCHES OF WATER IN SNOWPACK



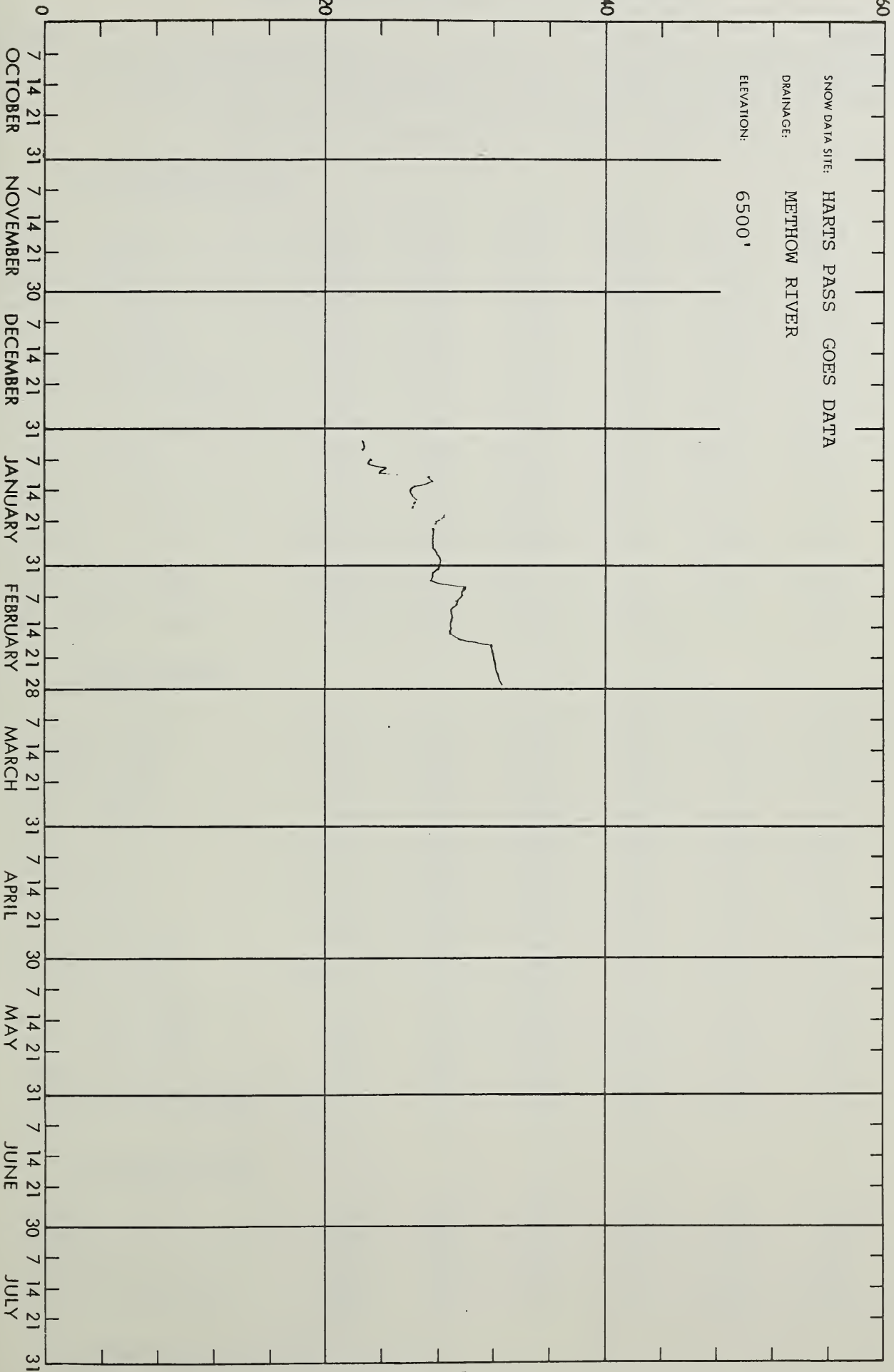
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INCHES OF WATER IN SNOWPACK



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INCHES OF WATER IN SNOWPACK



SNOW DATA TO MARCH 1, 1976 - APPENDIX 1

SNOW

DRAINAGE BASIN and/or SNOW COURSE			THIS YEAR			PAST RECORD	
			Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Number	Elevation				Last Year	Average † ‡

U P P E R C O L U M B I A D R A I N A G E

PEND OREILLE RIVER

Baree Creek	15B11	5500	3/3	142	53.3	50.3	43.6
Baree Midway	15B16	4600	3/3	118	37.3	38.5	34.6
Baree Trail	15B15	3800	3/2	42	9.4	13.3	10.5
Benton Meadow	16A02	2344	2/24	18	4.6	8.6	6.1
Benton Spring	16A03	4900	2/23	38	11.2	21.4	17.4
Boyer Mountain	17A02	5250	2/26	70	17.8	28.0	23.7
Brush Creek Timber	14A13	5000	2/26	34	8.7	10.8	10.2
Chewelah	17A04	4923	2/28	47	11.6	18.2	16.2
Heart Lake Trail	14C10	4800	3/2	83	22.3	24.9	21.2
Hoodoo Basin	15C10	6000	3/2	152	48.6	46.9	46.1
Hoodoo Creek	15C01	5900	3/2	143	45.5	43.5	43.2
Lookout	15B02	5250	2/24	102	31.2	30.4	32.7
Mosquito Ridge	16A04A	5100	3/2	107	33.8	36.0	34.7
Nelson	19-Can	3050	2/26	53	11.6	17.7	14.5*
Schweitzer Bowl	16A06	4500	3/2	77	20.8	45.6	27.8
Schweitzer Ridge	16A05	6100	3/2	118	40.0	60.2	39.9
Winchester Creek	17A03	2970	2/26	32	7.7	12.2	12.1

KETTLE RIVER

Barnes Creek	90-Can	5300	2/28	68	18.9	20.0	18.0
Big White Mtn.	154-Can	5500	2/25	62	21.4	21.1	16.9*
Boulder Road	18A02	1450	2/26	16	4.6	7.0	4.9
Butte Creek	18A03	4070	2/26	30	7.2	10.9	9.3
Cabin Creek	18A08	3170	2/26	29	6.8	5.2	8.2
Carmi	126-Can	4100	2/25	25	8.0	10.8	6.1*
Farron # 1	17-Can	4000	2/26	45	11.5	14.1	12.4*
Farron # 2	243-Can	4000	2/26	44	10.9	13.8	New
Goat Creek	18A04	3595	2/26	23	5.3	8.9	7.1
Graystoke Lake	5-Can	5950	2/27	51	15.0	17.2	18.7*
Monashee Pass	48A-Can	4500	2/28	50	13.8	14.6	12.7*
Old Glory Mtn.	42-Can	7000	2/29	93	28.7	35.4	24.6*
Snow Caps Creek	18A05	2150	2/26	19	4.4	6.0	5.1
Snow Caps Trail	18A06	2720	2/26	24	5.3	6.6	6.7
Summit G. S.	18A07	4600	2/26	24	5.7	9.6	7.4
Trapping Creek Lower	166-Can	3050	2/25	25	7.0	8.8	5.1*
Trapping Creek Upper	165-Can	4450	2/25	39	11.6	13.2	8.9*

COLVILLE RIVER

Baird	17A06	3215	2/28	28	6.1	10.2	7.1
Carlson	18A09	2885	2/29	19	4.9	9.6	4.6
Chewelah	17A04	4925	2/28	47	11.6	18.2	16.2
Stranger Mountain	17A05	4990	2/29	38	8.2	14.8	13.1
Togo	18A10	3370	2/29	42	10.9	17.6	10.9

Average based on 1958-72 average

* Average for years of record

SNOW DATA TO MARCH 1, 1976 - APPENDIX 2

SNOW

DRAINAGE BASIN and/or SNOW COURSE			THIS YEAR			PAST RECORD	
			Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Number	Elevation				Last Year	Average ^{MI}

SPOKANE RIVER

Above Burke	15B08	4100	2/24	80	22.6	25.9	-
Copper Ridge	16B02	4800	2/26	71	25.3	28.7	25.7
Forty-nine Meadows	15B03	5000		Late Report		25.8	-
Fourth of July Summit	16B03	3100	2/27	39	11.4	14.4	7.3
Granite Peak	15B13A	6000		Late Report		34.4	37.7
Kellogg Peak	16B05A	5560		Not Measured		29.8	-
Lookout	15B02	5250	2/24	102	31.2	30.4	32.7
Lost Lake	15B14A	6000		Late Report		45.6	51.3
Lower Sands Creek	16B01	3400	2/26	59	17.8	18.5	17.5
Medicine Ridge	15B04A	6150		Late Report		35.8	38.5
Mosquito Ridge	16A04A	5110	3/2	107	33.8	36.0	34.7
Roland Summit	15B05A	5200	3/2	102	31.6	31.0	31.3
Sherwin	16C01	3200	2/26	59	15.8	19.2	13.8
Sunset	15B09A	5600	3/2	131	32.7	30.7	33.7

OKANOGAN RIVER

Aberdeen Lake	6A-Can	4300	3/1	28	6.9	9.1	5.9*
Blackwall Mountain	100-Can	6250	3/2	118	43.4	31.3	32.4*
Bouleau Creek	31-Can	5000	2/28	39	10.7	17.2	10.5*
Bouleau Lake	234-Can	4580	2/28	58	13.2	17.0	13.3*
Branda Mine	193-Can	4800	2/26	48	14.5	17.7	12.8*
Brookmere	27-Can	3200	2/27	31	7.3	9.2	9.0*
Carrs Landing Upper	168-Can	3200	2/29	21	5.4	7.1	4.5*
Clark +	19A08a	7000	3/1	Not measured		21.8	19.7
Enderby	130-Can	6250	2/27	115	41.0	39.0	32.4*
Esperon Creek Lower	164-Can	4400	2/29	41	11.1	15.9	10.9*
Esperon Creek Middle	163-Can	4700	2/29	51	13.8	18.7	13.5*
Esperon Creek Upper	162-Can	5400	2/29	56	16.5	22.8	16.5*
Freezeout Meadows New	20A38	5000	2/25	101	34.3	37.8	25.7
Graystoke Lake	5-Can	5950	2/27	51	15.0	17.2	18.7*
Hamilton Hill	107-Can	4900	2/26	66	20.0	17.6	14.2*
Harts Pass	20A05A	6500	2/23	138	49.1	46.1	38.8
Horseshoe Basin +	19A05a	7000	3/1	Not Measured		15.2	11.6
Isintok Lake	152-Can	5510	2/29	32	8.5	10.8	7.5*
Lost Horse Mountain	105-Can	6300	3/1	38	10.4	10.4	8.5*
Loup Loup	19A07	4650	2/25	21	5.5	10.1	9.5
McCulloch	4-Can	4200	2/27	32	7.4	9.8	6.2*
Missezula Mountain	106-Can	5100	2/25	38	9.6	13.1	8.8*
Mission Creek	5A-Can	6000	2/27	63	19.1	21.7	17.3*
Monashee Pass	48A-Can	4500	2/28	50	13.8	14.6	12.7*
Mount Kobau	156-Can	5950	3/1	36	9.2	11.2	11.8*
Muckamuck +	19A09a	6390	3/1	50	15.0	15.6	15.1

Average based on 1958-72 average

* Average for years of record

+ Snow water equivalent estimated from aerial stadia observation

SNOW DATA TO MARCH 1, 1976 - APPENDIX 3

SNOW

DRAINAGE BASIN and/or SNOW COURSE			THIS YEAR			PAST RECORD	
			Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Number	Elevation				Last Year	Average #

OKANOGAN RIVER (Cont.)

Mutton Creek No. 1	19A01	5700	2/26	29	7.6	13.8	12.9
Mutton Creek No. 2	19A04	6000	2/26	37	9.7	12.7	13.3
Mutton Creek No. 2 SP	19A11SP	6000	2/26	-	6.6	9.5	New
New Copper Mountain	46A-Can	4300	2/27	26	4.9	6.5	5.8*
New Penticton Res. #2	183-Can	5225	3/1	33	9.1	12.0	7.6*
Nickel Plate Mtn.	47-Can	6200	3/1	33	9.4	9.1	7.1*
Oyama Lake	203-Can	4400	3/1	Not Measured		9.5	6.3*
Paysayten +	20A28a	4300	3/1	65	20.2	20.8	15.4
Postill Lake	55-Can	4500	2/28	30	8.2	10.8	7.4*
Quartette Lake	34-Can	4000	2/27	61	10.9	10.1	-
Rusty Creek	19A03	4000	2/25	15	3.9	8.0	7.1
Salmon Meadows	19A02	4500	2/26	25	6.1	9.7	9.9
Silver Star Mountain	99-Can	6050	2/29	89	31.5	31.8	23.8*
Starvation Mtn +	19A10a	6750	3/1	54	16.2	17.7	18.3
Summerland Reservoir	3A-Can	4200	2/28	38	10.2	14.6	8.7*
Touts Coulee	19A06	2845	2/26	16	2.9	3.0	4.0
Trout Creek	3-Can	4700	2/27	36	8.6	11.2	6.4*
Vaseux Creek	233-Can	4600	2/28	28	5.9	6.8	7.2*
White Rocks Mountain	70-Can	6000	2/25	65	22.9	31.0	18.9*

ENTIAT RIVER

Blue Creek G. S.	20B28a	5425	3/2	120	39.5	44.4	New
Brief	20B19	1600	2/25	27	9.4	8.4	7.5
Entiat Meadows +	20A33a	4800	3/1	Not Measured		51.1	45.7
Entiat River Trail +	20A34a	3150	3/2	94	26.4	27.1	21.8
Four Mile Ridge +	20B27a	7000	3/2	132	43.4	34.0	-
Fox Camp +	20A36a	6510	3/2	184	60.5	54.0	54.6
Pope Ridge	20B20	4300	2/26	65	18.2	23.0	16.5
Pugh Ridge +	20A32a	6400	3/2	113	37.2	35.9	34.5
Shady Pass	20A37	6200	2/25	104	34.2	33.0	-
Snow Brushy +	20A35a	3850	3/2	127	35.7	34.7	37.7
Tommy Creek +	20B21a	5300	3/2	88	29.0	28.1	28.3

METHOW RIVER

Billy Goat Pass +	20A10a	6409	3/1	93	28.8	29.7	25.8
Dollar Watch +	20A29a	7000	3/1	91	27.3	27.7	25.8
Harts Pass	20A05A	6500	2/23	138	49.1	46.1	38.8
Horseshoe Basin +	19A05a	7000	3/1	Not Measured		15.2	11.6
Loup Loup	19A07	4650	2/25	21	5.5	10.1	9.5
Mutton Creek No. 1	19A01	5700	2/26	29	7.6	13.8	12.9
Mutton Creek No. 2	19A04	6000	2/26	37	9.7	12.7	13.3
Mutton Creek No. 2 SP	19A11SP	6000	2/26	-	6.6	9.5	New
Rusty Creek	19A03	4000	2/25	15	3.9	8.0	7.1
Salmon Meadows	19A02	4500	2/26	25	6.1	9.7	9.9
War Creek Pass +	20A31a	6500	3/1	Not Measured		43.6	40.5

Average based on 1958-72 average

+ Snow water equivalent estimated from aerial stadia observation

* Average for years of record

SNOW DATA TO MARCH 1, 1976 - APPENDIX 4

SNOW

DRAINAGE BASIN and/or SNOW COURSE			THIS YEAR			PAST RECORD	
			Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Number	Elevation				Last Year	Average $\frac{1}{2}$

CHELAN LAKE BASIN

Cloudy Pass +	20A22a	6500	3/1	146	45.3	44.8	37.4
Greenwood Flat +	20A25a	3540	3/1	Not Measured		28.4	22.9
Little Meadows +	20A24a	5275	3/1	151	46.8	44.4	39.9
Lyman Lake	20A23A	5900	3/1	208	64.5	-	52.5
Park Creek Flat +	20A13a	2220	3/1	Not Measured		-	31.4
Park Creek Ridge	20A12A	4600	3/1	178	55.2	56.0	41.9
Petersons +	20A16a	3730	3/1	135	41.8	48.3	32.9
Rainy Pass	20A09	4780	2/23	138	45.4	42.6	36.0
Safety Harbor	20A30A	6300	3/1	102	30.6	33.6	25.7
War Creek Pass +	20A31a	6500	3/1	Not Measured		43.6	40.5

WENATCHEE RIVER

Berne-Mill Creek	21B23	2925	2/13	64	21.2	33.2	23.9
			2/27	94	26.8	35.5	24.7
Berne-Mill Creek New SP	21B41SP	3240	2/27	71	21.8	30.4	21.0
Blewett Pass No. 2	20B02	4270	2/26	50	13.9	19.3	14.9
Chiwaukum G. S.	20B16	1810	2/13	35	8.7	11.6	11.2
			2/26	49	13.1	11.0	11.6
Fish Lake	21B04	3371	3/1	Not Measured		38.4	31.3
Lake Wenatchee	20B05	1970	2/13	44	13.6	15.9	13.6
			2/26	59	17.9	17.1	13.9
Leavenworth R. S.	20B17	1127	2/12	7.6	2.6	7.0	5.7
			2/26	9.0	3.6	7.1	4.2
Lyman Lake	20A23A	5900	3/1	208	64.5	-	52.5
Merritt	20B18	2140	2/13	37	12.6	20.8	15.5
			2/26	53	16.4	21.3	15.2
Stevens Pass	21B01	4070	2/13	110	43.3	54.6	42.5
			2/26	152	54.8	60.4	45.7
Stevens Pass Sand Shed	21B45	3700	2/13	74	29.0	37.5	-
			2/26	112	37.0	39.8	-

SQUILCHUCK CREEK

Beehive Springs	20B03	4400	2/27	11	3.1	11.6	7.9
Scout-A-Vista	20B04	3400	2/27	20	5.8	11.7	8.1

STEMILT CREEK

Jump-Off	20B08	4450	2/25	21	5.6	11.2	8.3
Stemilt Slide	20B06	5000	2/27	44	11.4	16.4	15.1
Upper Wheeler	20B07	4400	2/27	22	5.4	13.9	10.1

COLOCKUM CREEK

Colockum Creek Upper	20B22	5300	2/25	14	3.8	15.8	-
Colockum Creek Lower	20B23	4300	2/25	21	5.0	12.5	-
Trough # 2	20B25SP	5310	2/25	23	7.0	-	New

Average based on 1958-72 average

+ Snow water equivalent estimated from aerial stadia observation

SNOW DATA TO MARCH 1, 1976 - APPENDIX 5

SNOW

DRAINAGE BASIN and/or SNOW COURSE			THIS YEAR			PAST RECORD	
			Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Number	Elevation				Last Year	Average #
<u>YAKIMA RIVER</u>							
Ahtanum R. S.	21C11	3100	2/24	14	3.4	12.8	6.7
Big Boulder Creek	21B09	3200	2/24	66	18.0	25.3	18.5
Blewett Pass No. 2	20B02	4270	2/26	50	13.9	19.3	14.9
Bumping Lake	21C08	3450	2/13	30	9.1	18.0	15.2
			2/29	71	15.9	17.9	15.3
Bumping Lake New	21C36	3400	2/13	43	13.5	22.1	19.6
			2/26	78	20.3	25.1	20.0
Cayuse Pass	21C06	5300	2/25	216	76.2	83.1	70.4
Colockum Pass	20B09	5370	2/25	43	13.6	17.1	14.5
Cooke Creek	20B10	4123	2/25	10	2.1	10.3	6.1
Corral Pass	21B13	6000	3/1	Not Measured		48.0	34.3
Fish Lake	21B04	3371	3/1	Not Measured		38.4	31.3
Green Lake	21C10	6000	2/25	110	33.3	33.0	29.1
Grouse Camp	20B11	5385	2/24	44	13.4	17.6	15.3
High Creek	20B12	2930	2/24	24	6.9	7.4	5.2
Joe Lake	21B46a	4624	3/1	225	63.0	58.6	-
Lake Cle Elum	21B14M	2200	2/13	24	9.2	13.1	8.2
			3/1	48	13.4	13.2	8.1
Lemah Creek +	21B47a	3327	3/1	141	39.5	42.6	-
Manashtash	20C01	3935	2/26	14	3.2	8.0	4.3
Morse Lake	21C17	5400	3/4	149	47.4	71.0	47.7
Nanum	21B13	2340	2/24	31	8.8	11.5	9.6
Olallie Meadows	21B02	3625	3/2	156	67.5	52.6	40.6
Satus Pass	20D01	4030	2/27	34	7.8	14.0	8.7
Stampede Pass SP	21B10	3860	2/15	Not Measured		55.4	34.2
			2/25	-	37.4	61.2	36.2
Trail Creek	20B14	3360	2/24	8.6	2.4	5.8	2.2
Tunnel Avenue	21B08	2450	2/12	46	16.0	28.8	20.1
			2/26	79	22.7	32.2	21.2
Van Epps Pass +	20B26a	5925	3/1	152	42.6	48.0	-
Walters Flat	20B15	3360	2/24	22	7.1	9.9	6.9
Waptus Lake +	21B49a	3024	3/1	141	39.5	43.6	-
White Pass (E. Side)	21C28	4500	2/17	64	17.1	24.9	20.8
			3/1	89	24.4	27.3	22.0
White Pass (L. Lake)	21C27	4500	2/25	89	22.7	32.9	26.1

AHTANUM CREEK

Ahtanum R. S.	21C11	3100	2/24	14	3.4	12.8	6.7
Green Lake	21C10	6000	2/25	110	33.3	33.0	29.1

Average based on 1958-72 average

+ Snow water equivalent estimated from aerial stadia observation

SNOW DATA TO MARCH 1, 1976 - APPENDIX 6

SNOW

DRAINAGE BASIN and/or SNOW COURSE			THIS YEAR			PAST RECORD	
			Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
NAME	Number	Elevation				Last Year	Average #

LOWER COLUMBIA DRAINAGEASOTIN CREEK

Spruce Springs	17C04	5700	3/4	84	25.1	26.6	23.6
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MILL CREEK

Homestead	17C01	4030	2/24	25	8.3	11.6	7.4
Martin Springs	17C02	4400	2/24	40	12.1	16.2	11.9
Tollgate	18D3M	5070	2/26	86	29.8	22.9	21.1

KLICKITAT RIVER

Satus Pass	20D01	4030	2/27	34	7.8	14.0	8.7
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WHITE SALMON RIVER

Cultus Creek	21C12	4000	3/1	141	43.4	41.1	40.5
Surprise Lakes	21C13A	4250	3/1	141	45.3	47.8	44.2

WIND RIVER

Old Man Pass	21D19	3100	3/1	76	20.1	13.9	17.2
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LEWIS RIVER

Blue Lake +	21C22a	4800	3/1	242	75.0	75.7	69.7
Bob's Trail	21C21	2200	3/1	73	19.8	11.8	14.2
Calamity Ridge +	21D01a	2500	2/29	34	8.8	3.2	6.7
Council Pass +	21C18a	4200	2/29	152	48.6	42.1	37.1
Cultus Creek	21C12	4000	3/1	141	43.4	41.1	40.5
Divide Meadow +	21C29a	5600	2/29	170	54.4	54.7	50.9
Grand Meadow	21C25	3500	3/1	91	27.5	26.8	23.8
Lone Pine Shelter	21C26	3800	2/28	142	39.0	34.6	35.0
Marble Mountain +	22C05a	3200	2/29	94	32.0	21.1	31.4
Mosquito Meadows	21C19	4100	2/28	155	41.7	36.0	36.6
New Muddy River	22C06	2000	3/1	49	13.1	7.1	10.6
Old Man Pass	21D19	3100	3/1	76	20.1	13.9	17.2
Plains of Abraham +	22C01a	4400	2/29	170	54.4	52.8	58.5
Smith Creek Road	22C04	2100	2/29	58	15.3	14.3	17.2
Spencer Meadow +	21C20a	3400	2/29	96	28.8	17.8	21.5
Surprise Lakes	21C13A	4250	3/1	141	45.3	47.8	44.2
Table Mountain +	21C24a	4200	2/29	158	50.6	50.7	41.7
Timbered Peak +	21D18a	3000	2/29	77	22.3	10.6	16.0

Average based on 1958-72 average

+ Snow water equivalent estimated from aerial stadia observation

SNOW DATA TO MARCH 1, 1976 - APPENDIX 7

SNOW

DRAINAGE BASIN and/or SNOW COURSE			THIS YEAR			PAST RECORD	
			Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Number	Elevation				Last Year	Average #

COWLITZ RIVER

Cayuse Pass	21C06	5300	2/25	216	76.2	83.1	70.4
Mosquito Meadows	21C19	4100	2/28	155	41.7	36.0	36.6
Ohanapecosh	21C32	2200	2/25	59	17.8	18.8	15.8
Packwood Lake	21C31	2870	2/23	41	41.1	14.9	12.7
Pigtail Peak	21C33	5900	2/25	188	65.2	60.7	57.2
Plains of Abraham +	22C01a	4400	2/29	170	54.4	52.8	58.5
Potato Hill	21C14	4500	2/25	104	28.1	32.4	28.8
White Pass (E. Side)	21C28	4500	2/17	64	17.1	24.9	20.8
			3/1	89	24.4	27.3	22.0
White Pass (L. Lake)	21C27	4500	2/25	89	22.7	32.9	26.1
Willame Creek	21C30	3250	2/25	100	29.0	28.7	26.9

PUGET SOUND DRAINAGENISQUALLY RIVER

Ghost Forest	21C04	4550	2/24	132	43.8	49.8	39.0
Longmire	21C03	2760	2/24	35	9.8	15.5	9.0
New Paradise Park	21C35	5500	2/24	176	68.0	80.0	61.8
Stem Glade	21C01	5050	2/24	185	68.4	72.0	60.5

WHITE RIVER

Cayuse Pass	21C06	5300	2/25	216	76.2	83.1	70.4
Corral Pass	21B13	6000	3/1	Not Measured		48.5	34.3
Morse Lake	21C17	5400	3/4	149	47.4	71.0	47.7

GREEN RIVER

Airstrip	21B24	1800	2/23	18	6.6	14.0	4.4
Charley Creek	21B25	1200	2/23	0	0.0	3.2	1.2
Cougar Mountain SP	21B42SP	3200	3/2	59	17.6	28.2	-
Grass Mtn. No. 2	21B27	2900	2/23	21	6.8	20.2	19.4
Grass Mtn. No. 3	21B28	2100	2/23	6	1.7	12.3	5.7
Lester Creek	21B29	3100	2/23	68	22.2	30.2	21.3
Lynn Lake	21B50	4000	2/23	23	7.4	26.7	-
Sawmill Ridge	21B31	4700	2/23	102	36.6	41.8	34.1
Snowshoe Butte SP	21B43SP	5000	3/2	147	46.7	67.8	-
Stampede Pass SP	21B10	3860	2/15	Not Measured		55.4	34.2
			2/25	-	37.4	61.2	36.2
Twin Camp	21B30	4100	2/23	60	19.7	30.8	21.6

Average based on 1958-72 average

+ Snow water equivalent estimated from aerial stadia observation

SNOW DATA TO MARCH 1, 1976 - APPENDIX 8

SNOW

DRAINAGE BASIN and/or SNOW COURSE			THIS YEAR			PAST RECORD	
			Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Number	Elevation				Last Year	Average #

CEDAR RIVER

City Cabin	21B03	2390	3/1	65	17.9	24.1	13.5
Mt. Gardner	21B21	3300	3/1	58	16.2	23.1	15.6
Mt. Lindsay	21B16	2500	3/1	48	10.8	17.7	12.8
Mt. Washington	21B15	3000	3/3	38	9.8	14.9	-
Rex River	21B17	2400	3/1	69	17.6	22.8	8.9
S. F. Cedar	21B06	3000	3/1	64	17.0	32.6	17.3
Tinkham Creek	21B20	3400	3/1	74	20.5	34.3	20.0

SNOQUALMIE RIVER

Alpine Meadow	21B48	3500	3/3	143	40.4	42.9	-
Lake Elizabeth	21B19	2900	3/3	112	36.0	36.6	36.4
Olallie Meadows	21B02	3625	3/2	156	67.5	52.6	40.6
S. F. Tolt	21B18	1900	3/2	19	3.6	5.5	2.7

SKYKOMISH RIVER

Lake Elizabeth	21B19	2900	3/3	112	36.0	36.6	36.4
Stevens Pass	21B01	4070	2/13	110	43.3	54.6	42.5
			2/26	152	54.8	60.4	45.7
Stevens Pass Sandshed	21B45	3700	2/13	74	29.0	37.5	-
			2/26	112	37.0	39.8	-

SKAGIT RIVER

Beaver Creek Trail	21A04	2200	3/1	Not Measured		20.4	13.0
Beaver Pass	21A01	3680	3/1	Not Measured		30.2	28.3
Brown Top	21A28a	6000	3/1	215	78.5	59.0	-
Cloudy Pass	20A22a	6500	3/1	146	45.3	44.8	37.4
Devils Park	20A04	5900	2/23	147	53.9	47.9	39.4
Freezeout Cr. Trail	20A01	3500	3/1	51	14.2	13.7	11.8
Freezeout Meadows New	20A38	5000	2/25	101	34.3	37.8	25.7
Granite Creek	21A29	3500	2/23	78	22.0	21.0	-
Harts Pass	20A05A	6500	2/23	138	49.1	46.1	38.8
Klesilkwa	35B-Can	3700		Late Report		-	13.0*
Lyman Lake +	20A23A	5900	3/1	208	64.5	-	52.5
Meadow Cabins	20A08	1900	2/23	32	11.5	10.6	6.8
New Hozomeen Lake	21A30	2800	3/1	54	15.0	15.7	-
New Tashme	26A-Can	2500	2/29	53	14.3	17.8	11.2*
Quartette Lake	34-Can	4000	2/27	61	10.9	10.1	-
Rainy Pass	20A09	4780	2/23	138	45.4	42.6	36.0
Thunder Basin	20A07	4200	2/23	68	19.9	36.2	19.8

Average based on 1958-72 average

* Average for years of record

+ Snow water equivalent estimated from aerial stadia observation

SNOW DATA TO MARCH 1, 1976 - APPENDIX 9

SNOW

DRAINAGE BASIN and/or SNOW COURSE			THIS YEAR			PAST RECORD	
			Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
NAME	Number	Elevation				Last Year	Average $\frac{1}{2}$

BAKER RIVER

Baker Pass +	21A27a	4900	3/1	244	93.0	76.0	-
Dock Butte	21A11A	3800	3/1	206	78.0	68.0	61.3
Easy Pass	21A07A	5200	3/1	208	79.0	68.0	72.0
Jasper Pass	21A06A	5400	3/1	278	108.0	86.0	82.8
Marten Lake	21A09A	3600	3/1	242	92.0	77.0	67.6
Mount Blum +	21A18a	5800	3/1	171	65.0	62.0	58.2
Panorama New	21A26	4300	2/15	150	48.5	61.0	-
			2/28	193	67.3	68.5	-
Rocky Creek	21A12A	2100	3/1	126	48.0	32.0	25.4
Schreibers Meadow	21A10A	3400	3/1	168	64.0	52.0	53.8
S. F. Thunder Creek	21A14A	2200	3/1	62	20.0	14.0	8.1
Watson Lakes	21A08A	4500	3/1	Not Measured		64.0	57.6

NOOKSACK RIVER

Bald Mountain +	21A19a	4400	3/2	164	57.4	61.2	42.9
Canyon +	21A20a	5100	3/2	233	81.6	66.8	48.3
Glacier Creek	21A23	3700	3/1	Not Measured		25.5	21.6
Panorama New	21A26	4300	2/15	150	48.5	61.0	-
			2/28	193	67.3	68.5	-
Twin Lakes +	21A21a	5200	3/2	275	96.2	84.8	62.3

O L Y M P I C P E N I N S U L AMORSE CREEK

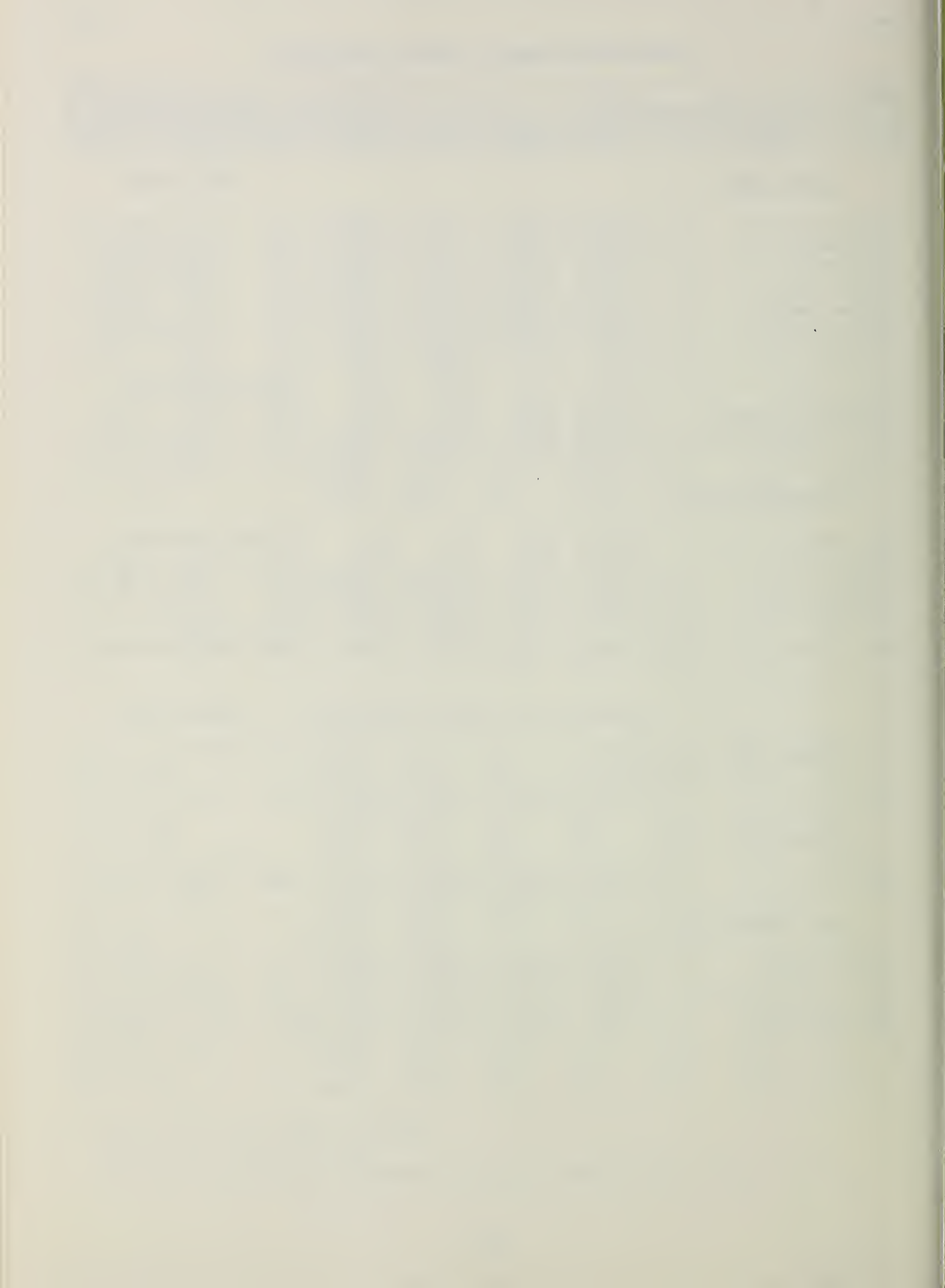
Cox Valley	23B14	4500	2/28	152	44.6	35.0	-
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ELWHA RIVER

Hurricane	23B03	4500	2/29	109	27.9	18.5	20.0
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SKOKOMISH RIVER

Black & White	23B07	4200	2/23	100	32.2	35.5	33.5
Black & White Lakes	23B06	4700	2/23	122	43.8	54.0	51.2
Four Streams	23B10	3000	2/23	55	18.4	27.8	27.0
Home Sweet Home	23B05	5200	2/23	172	58.8	63.7	64.5



Agencies Assisting with Snow Surveys

GOVERNMENT AGENCIES

Canada:

Department of Lands, Forests and Water Resources,
Water Resources Service, British Columbia

States:

Washington State Department of Ecology
Washington State Department of Natural Resources

Federal:

Department of the Army
Corps of Engineers
U. S. Department of Agriculture
Forest Service
U. S. Department of Commerce
NOAA, National Weather Service
U. S. Department of the Interior
Bonneville Power Administration
Bureau of Reclamation
Geological Survey
National Park Service

PUBLIC AND PRIVATE UTILITIES

Chelan County P.U.D.
Pacific Power and Light Company
Puget Sound Power and Light Company
Washington Water Power Company

OTHER PUBLIC AGENCIES

Okanogan Irrigation District
Wenatchee Heights Irrigation District

MUNICIPALITIES

City of Tacoma
City of Seattle

Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.

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